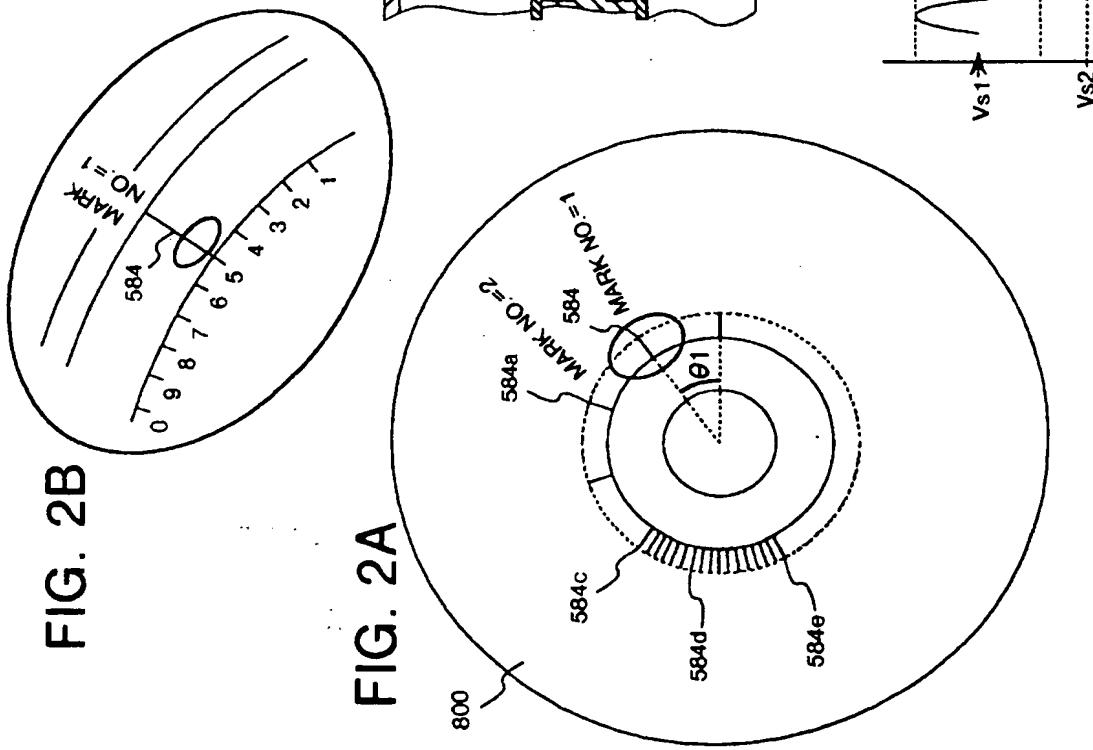
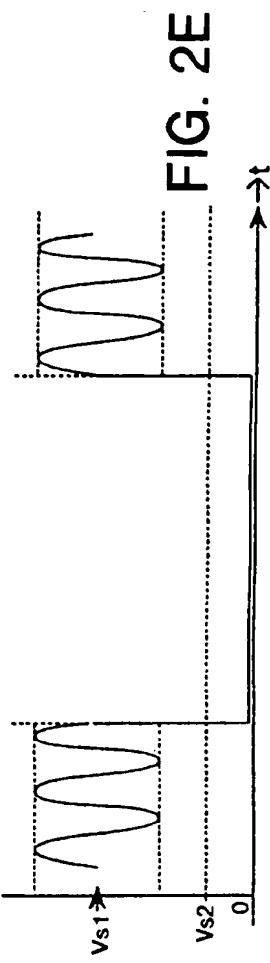
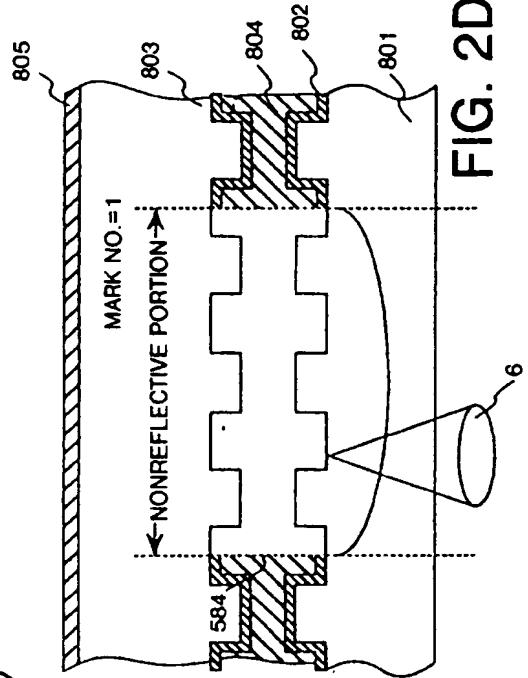
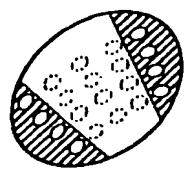


FIG.



NONREFLECTIVE PITS ARE
FORMED IN RADIAL DIRECTION

FIG. 2C



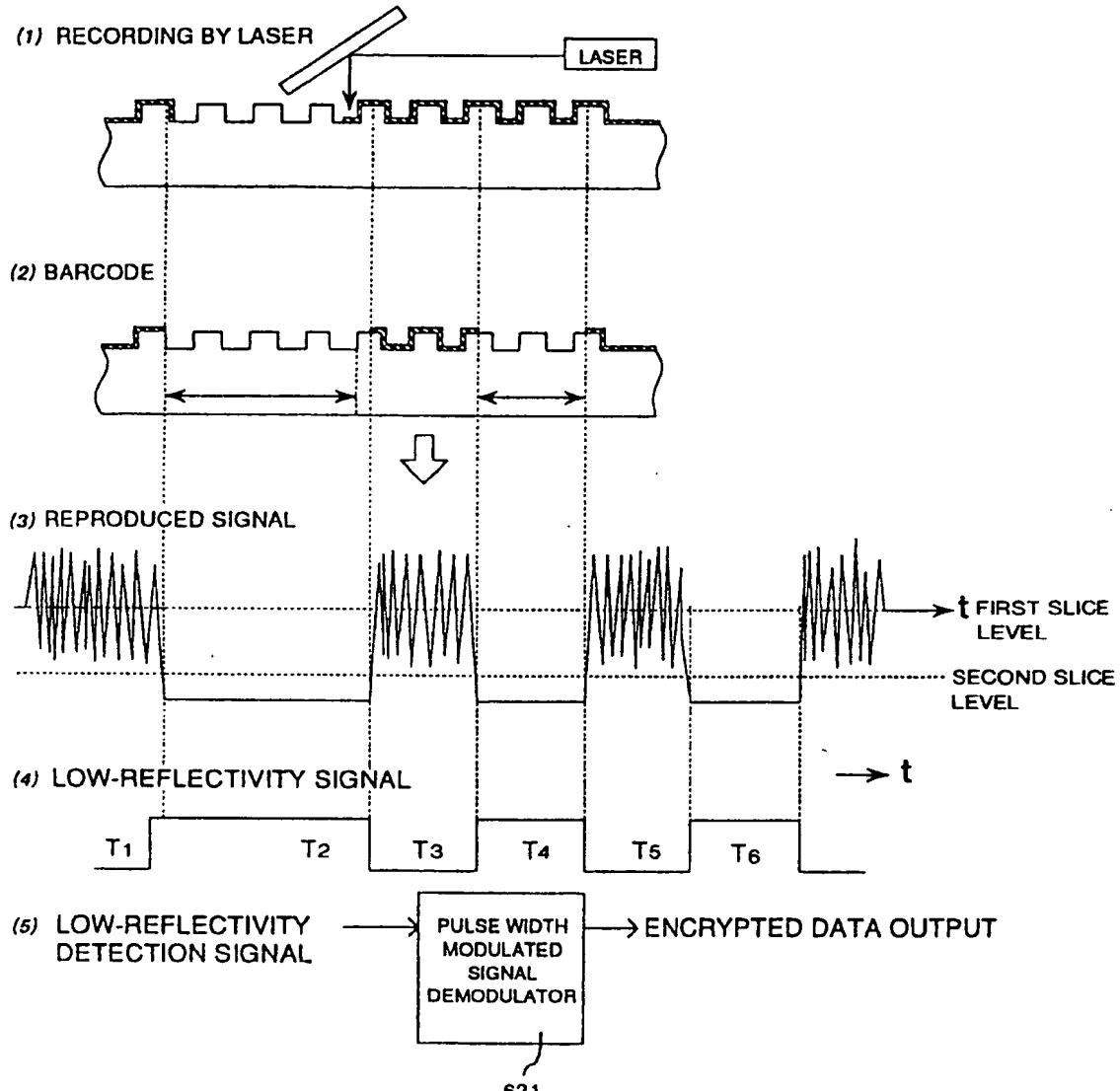


FIG. 3

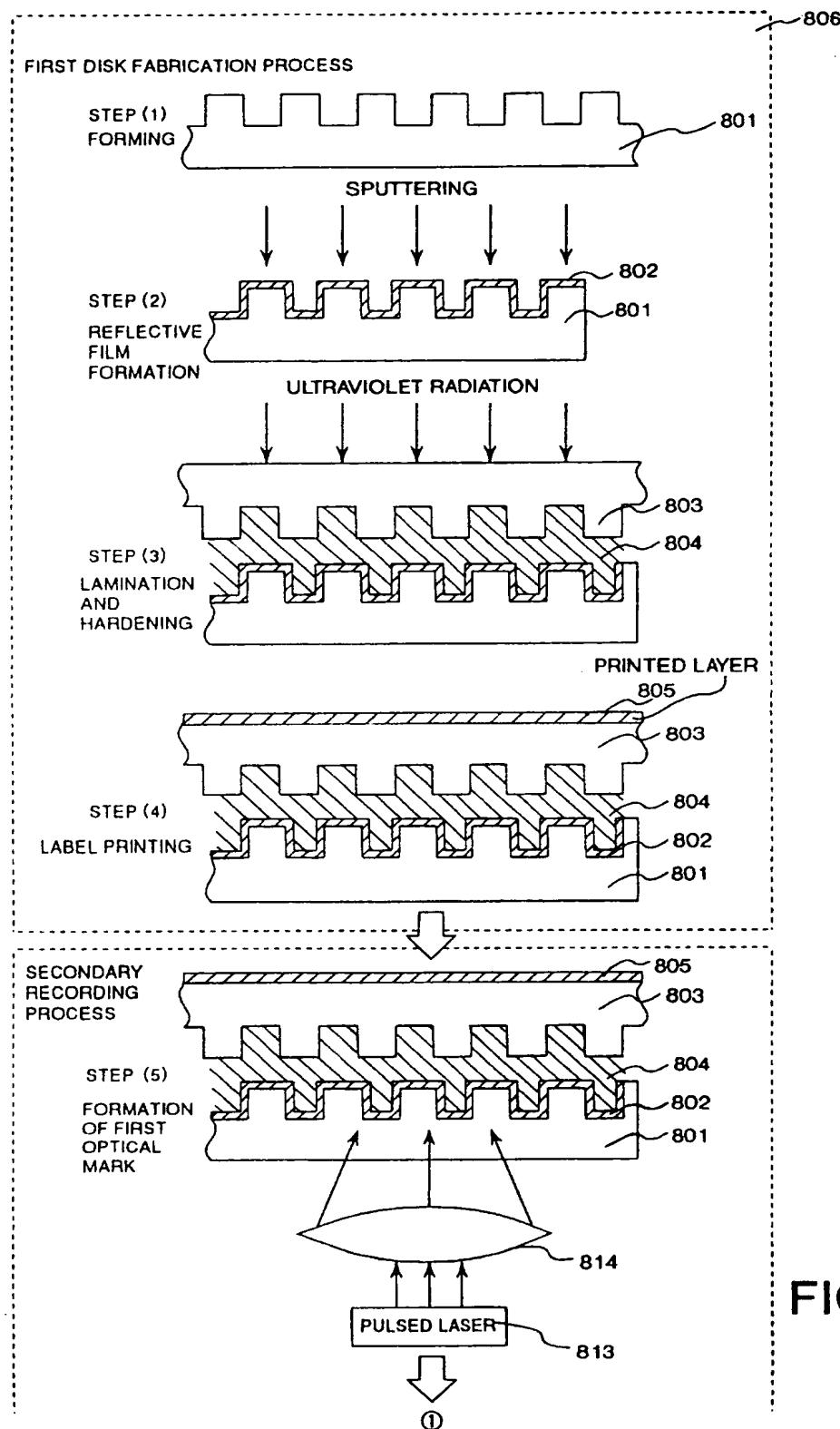
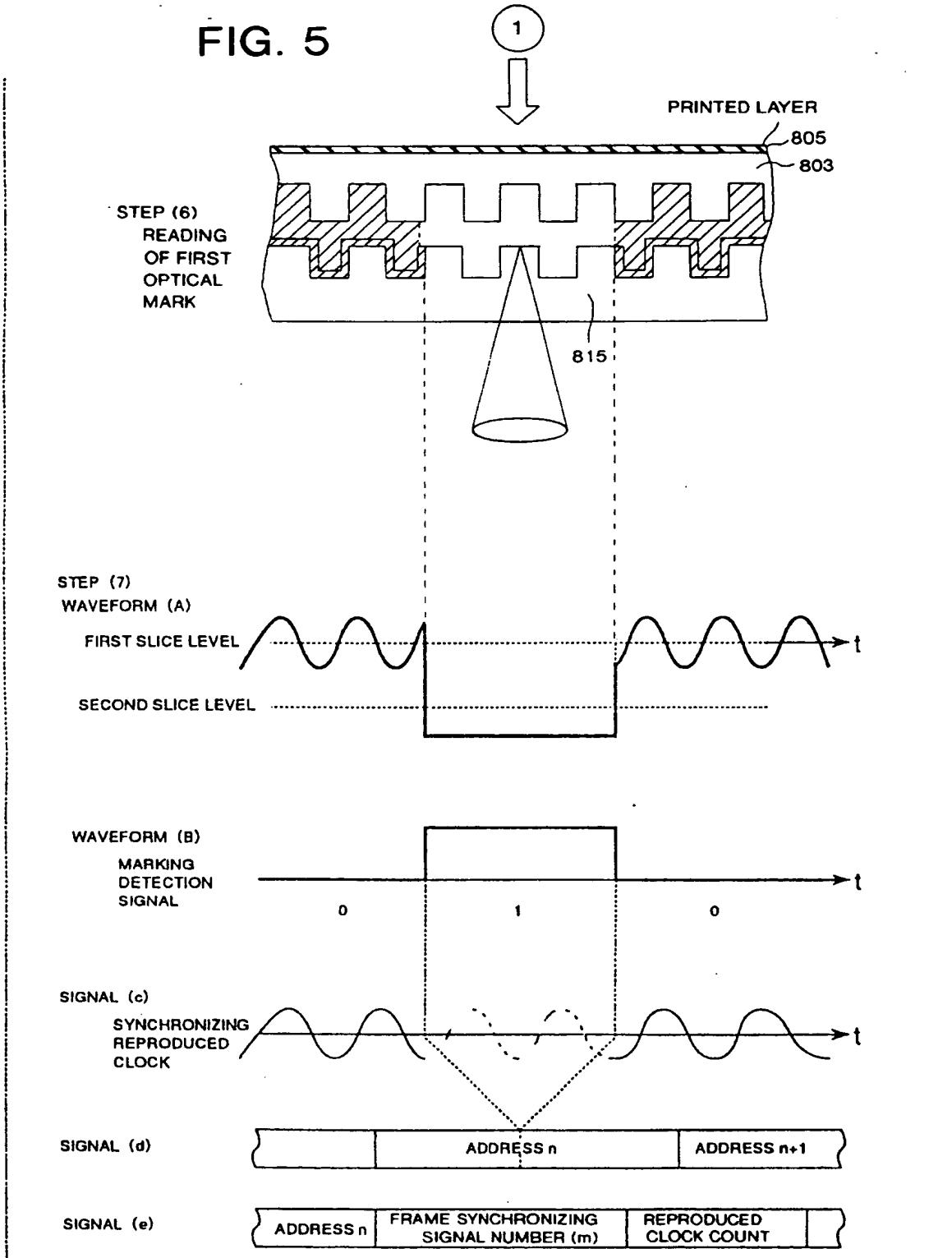


FIG. 4

FIG. 5



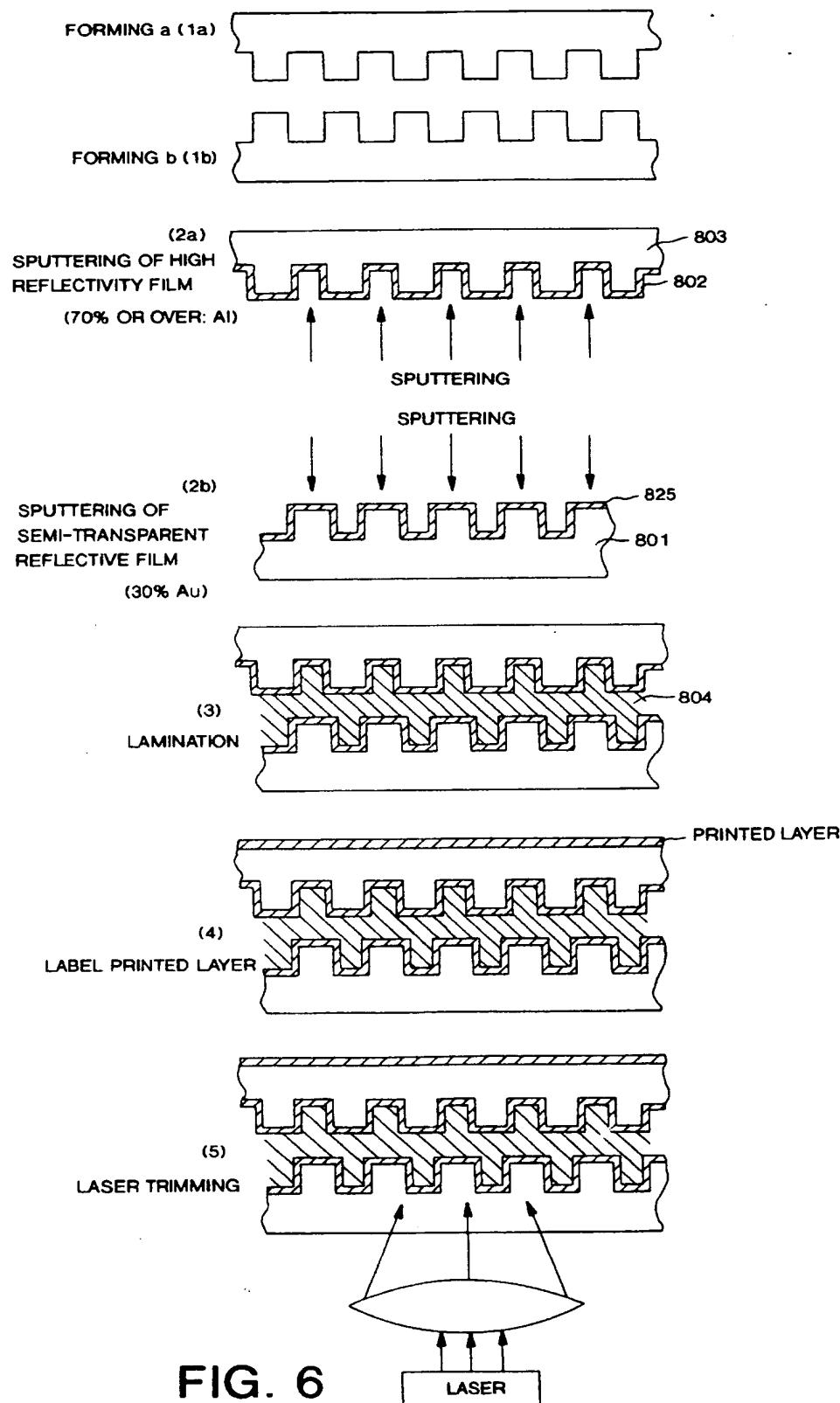


FIG. 6

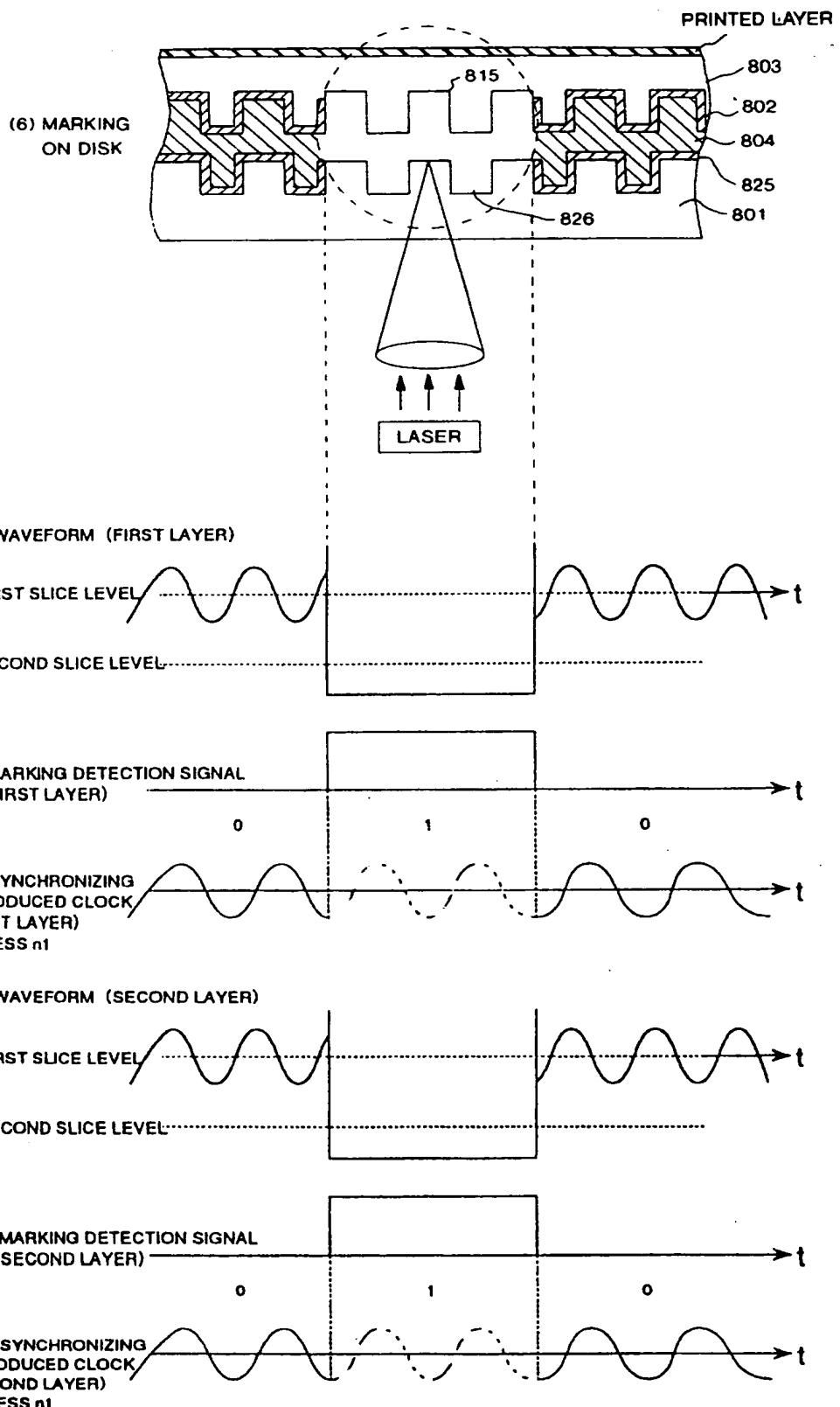


FIG. 7

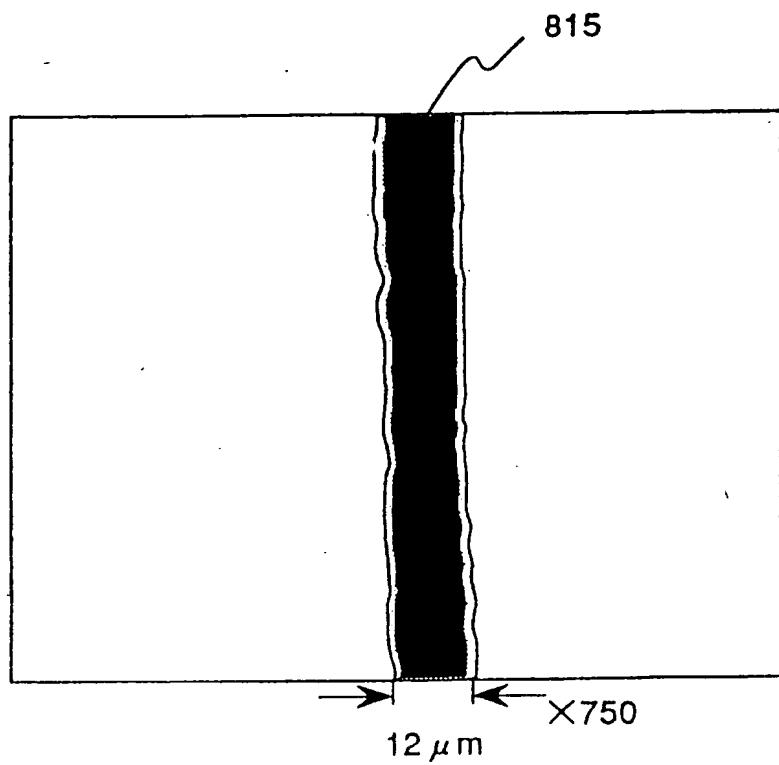


FIG. 8A

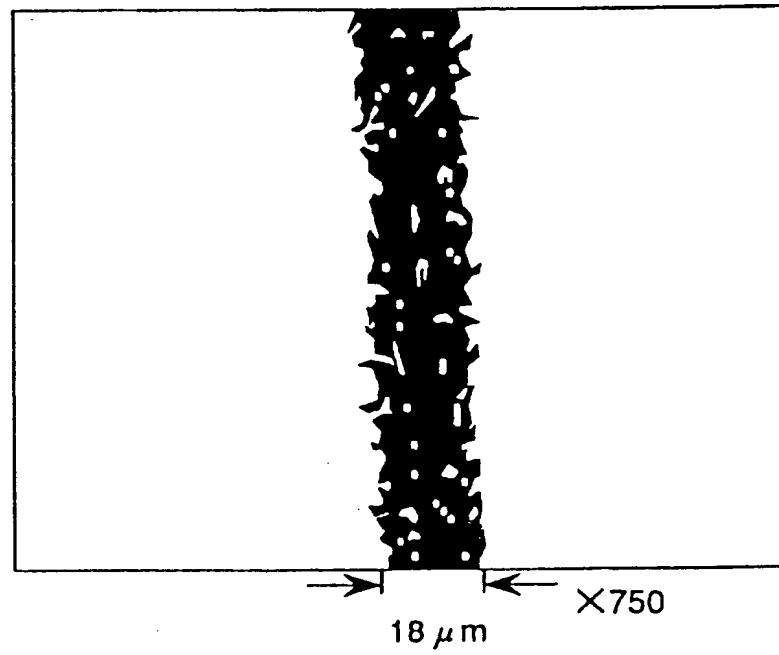
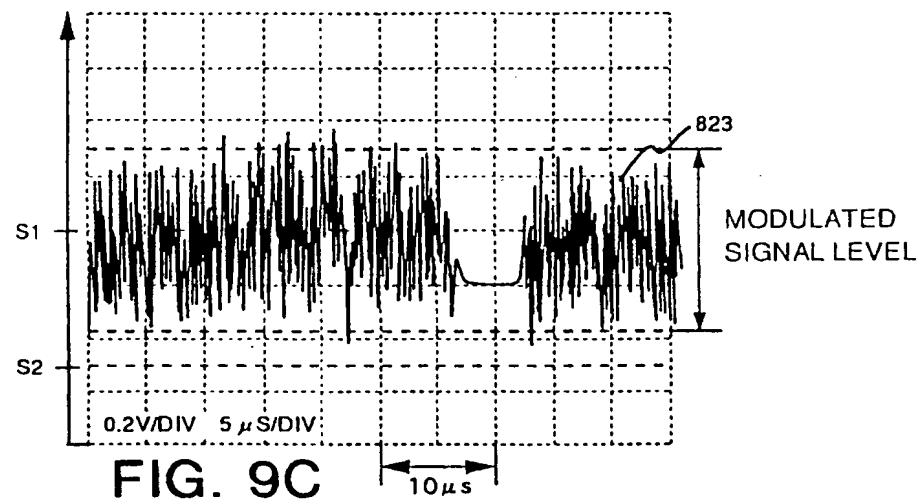
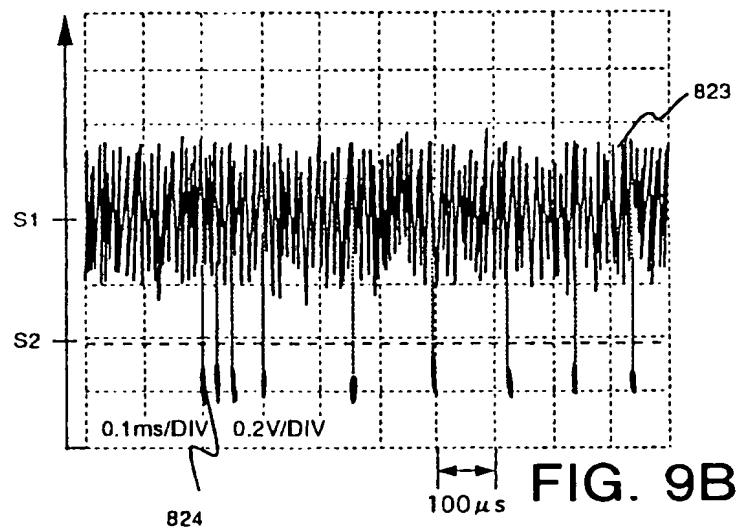
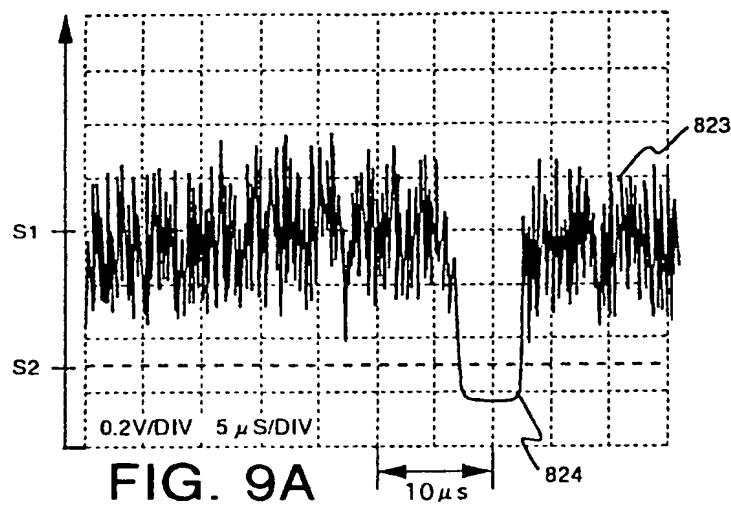


FIG. 8B



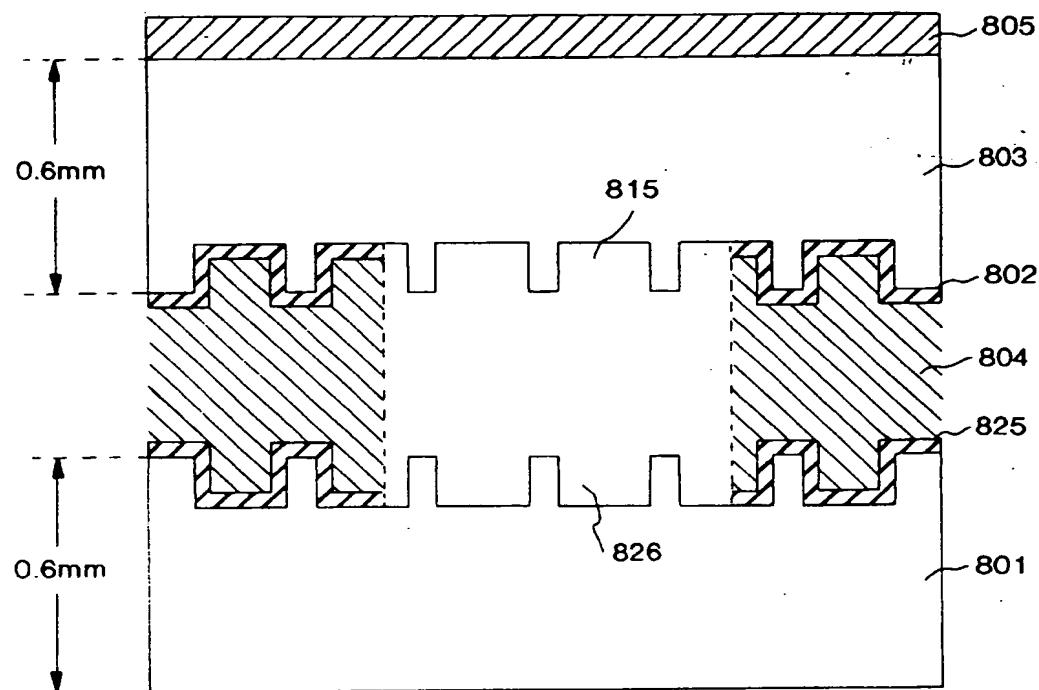


FIG. 10A

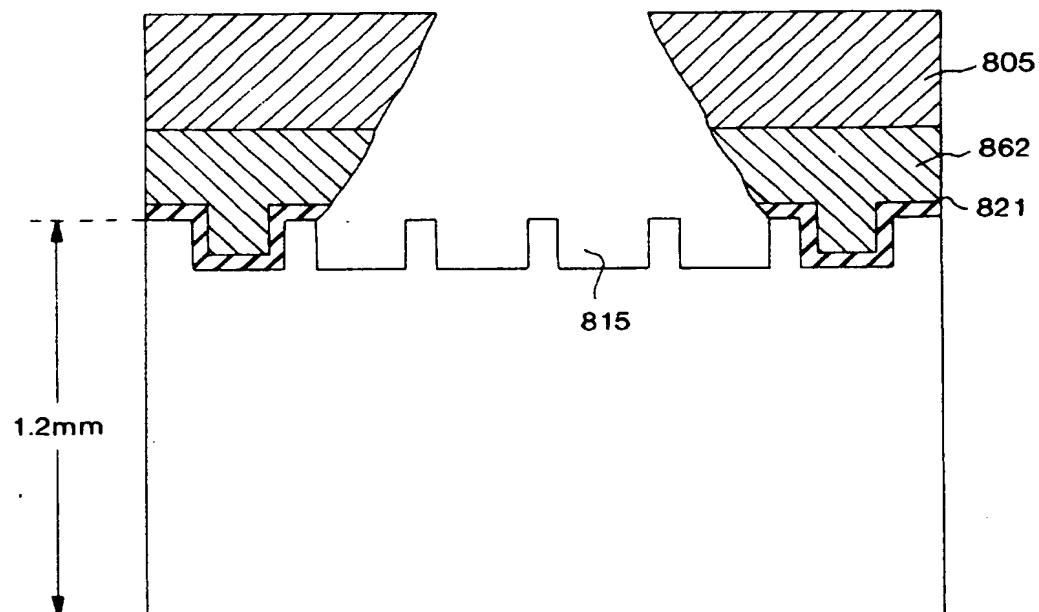


FIG. 10B

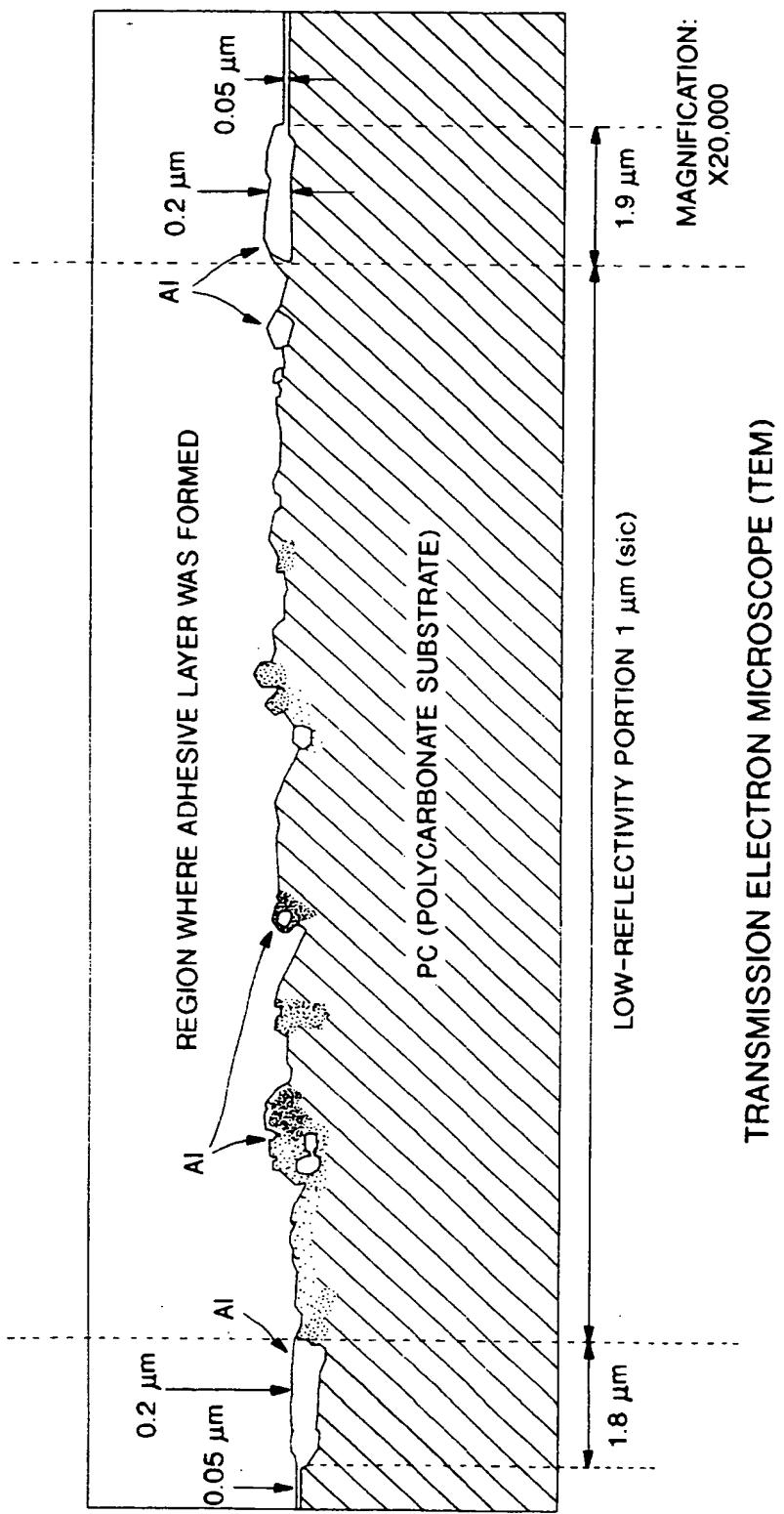


FIG. 11

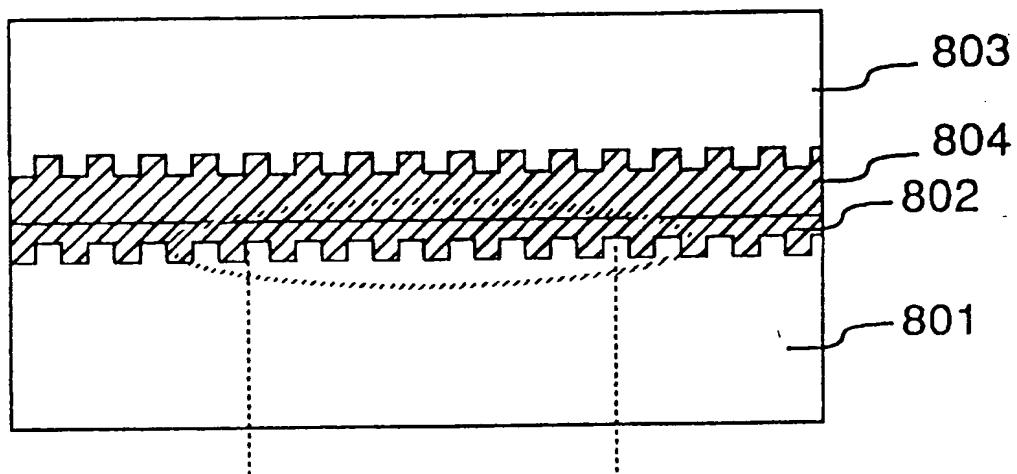


FIG. 12A

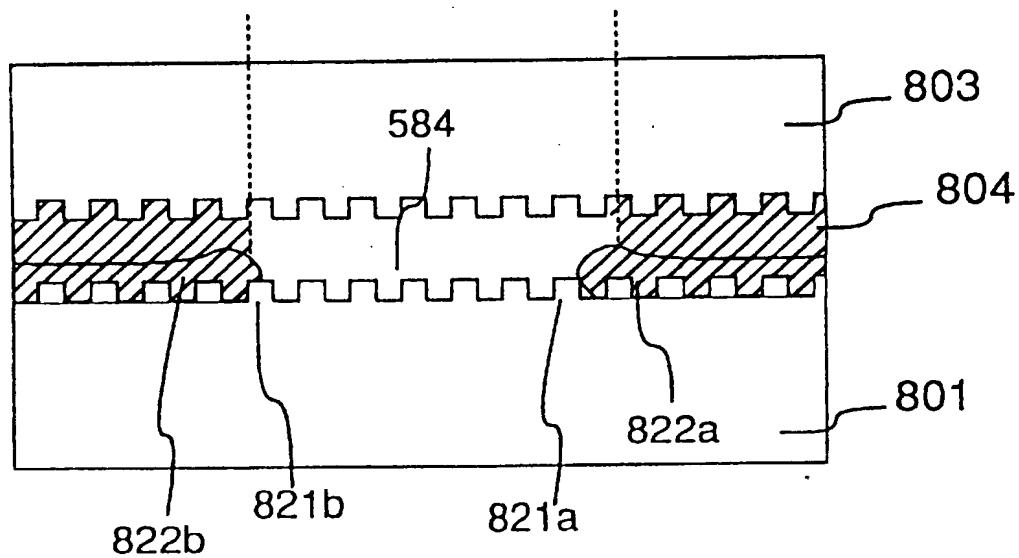
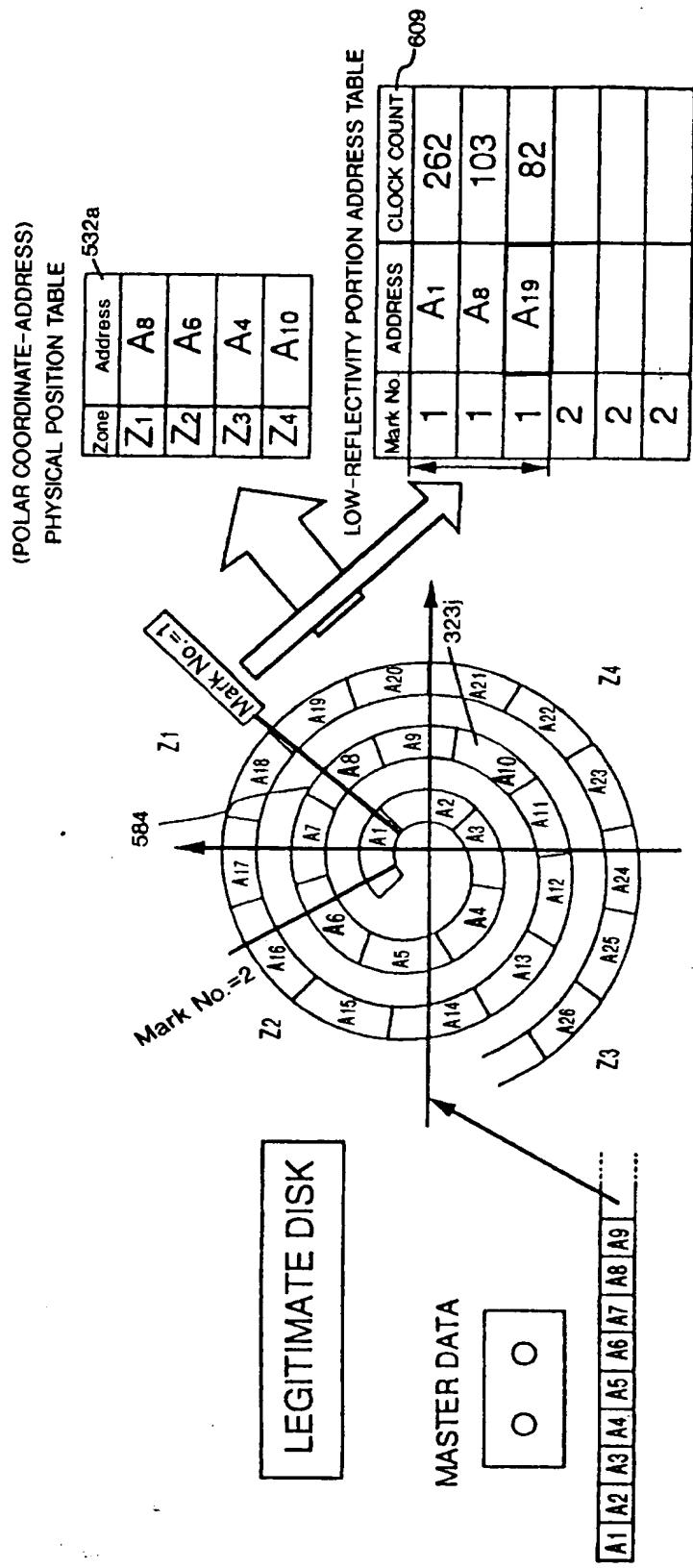
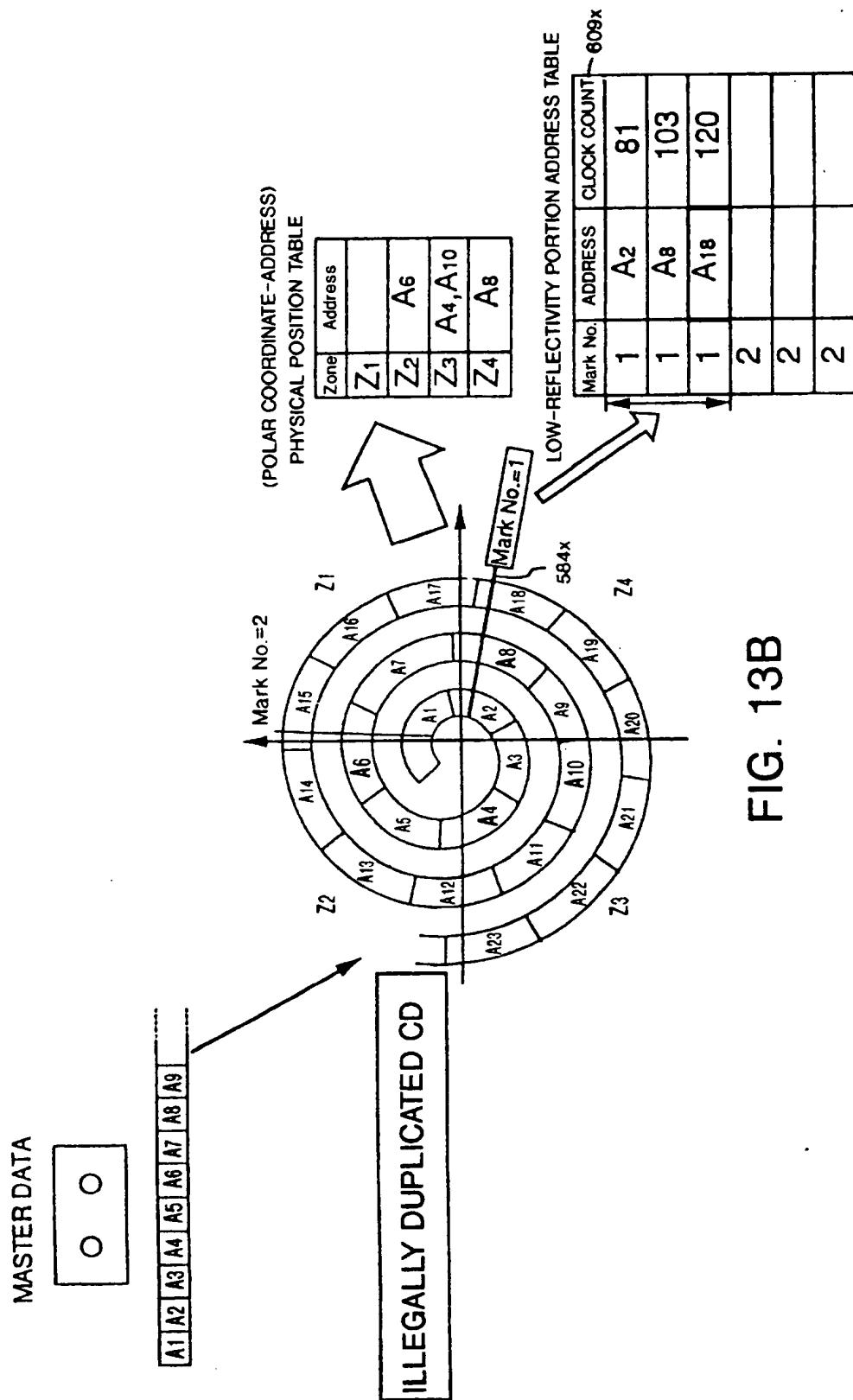


FIG. 12B

FIG. 13A





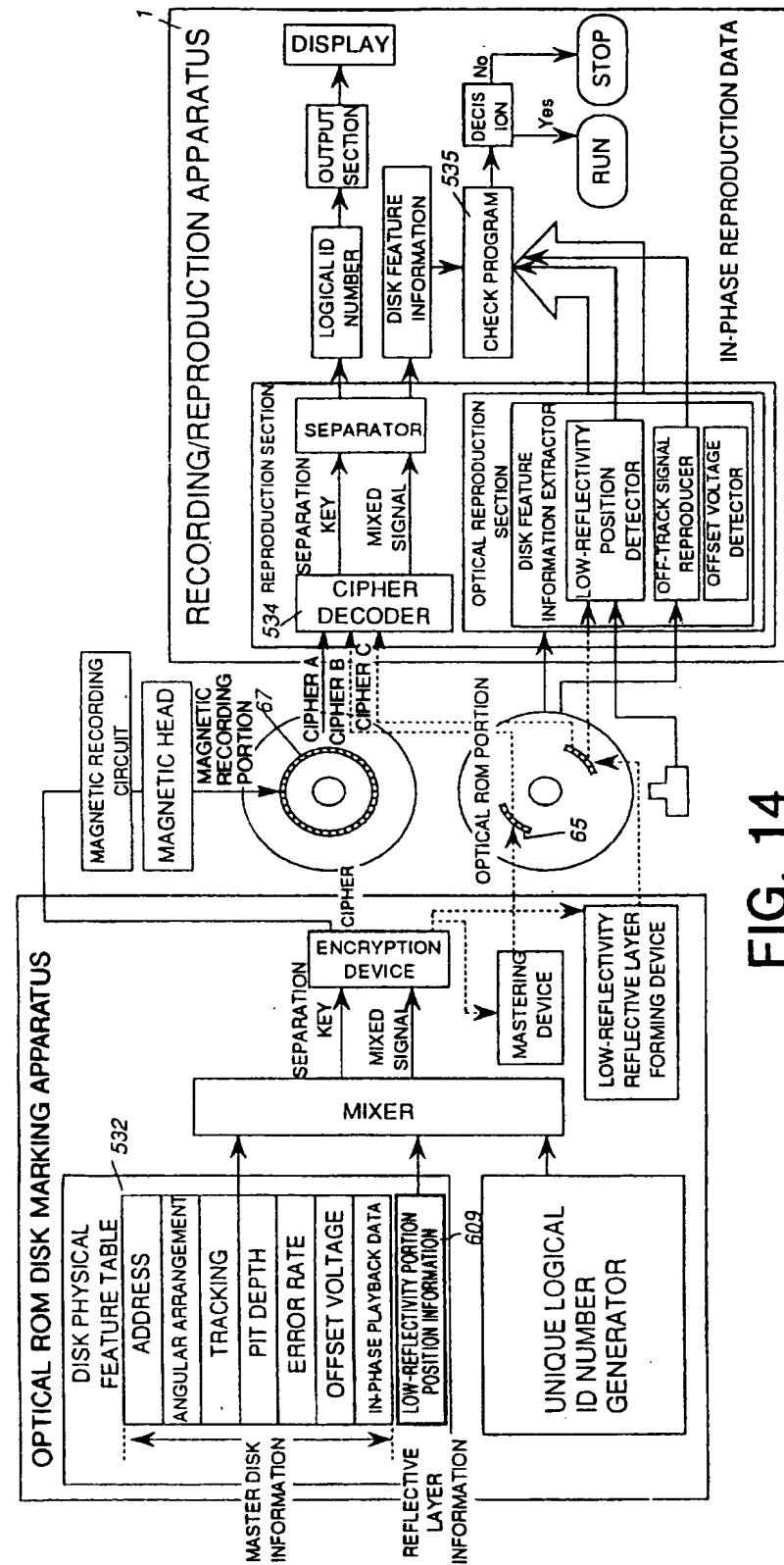


FIG. 14

FIG. 15

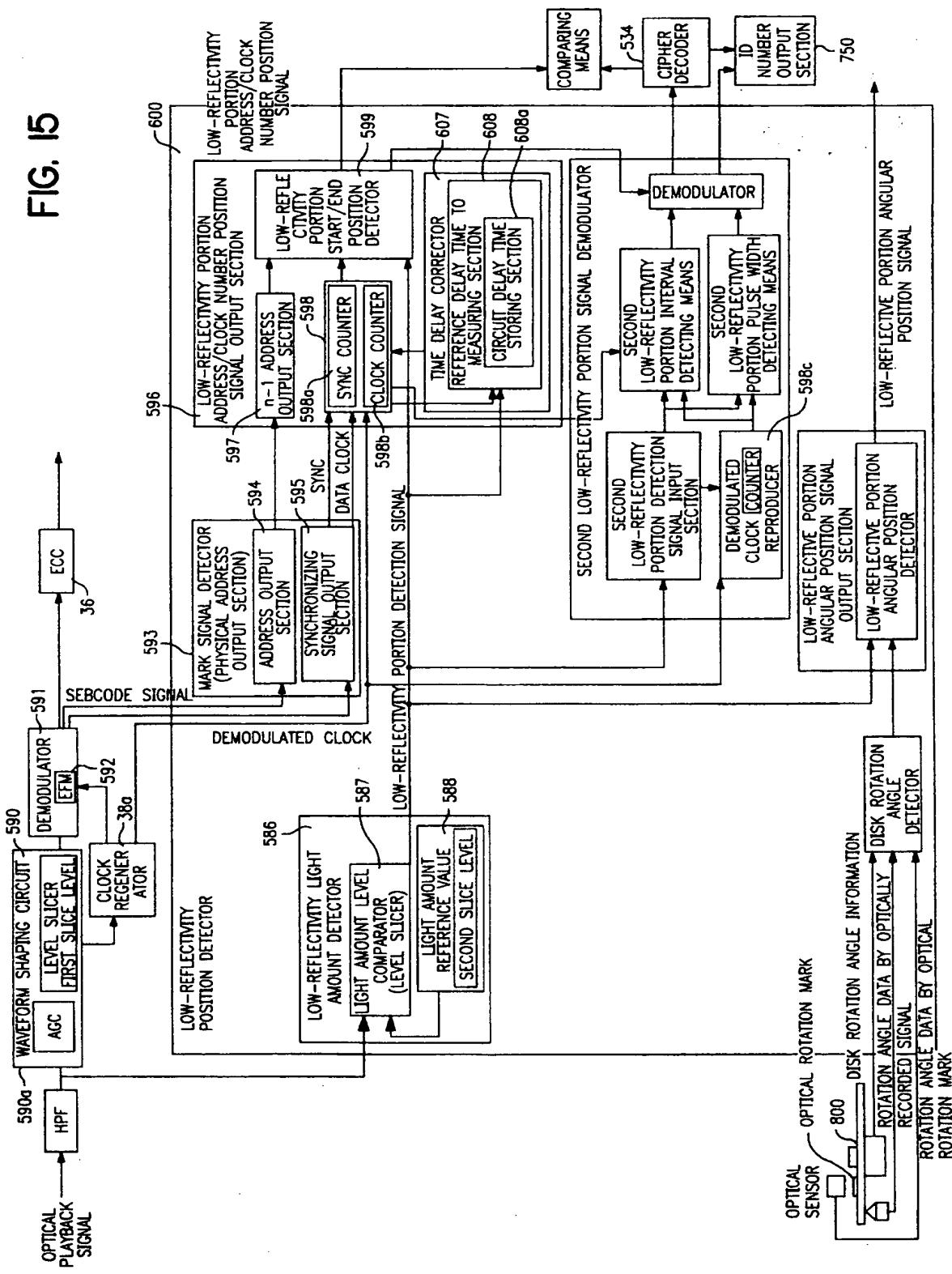
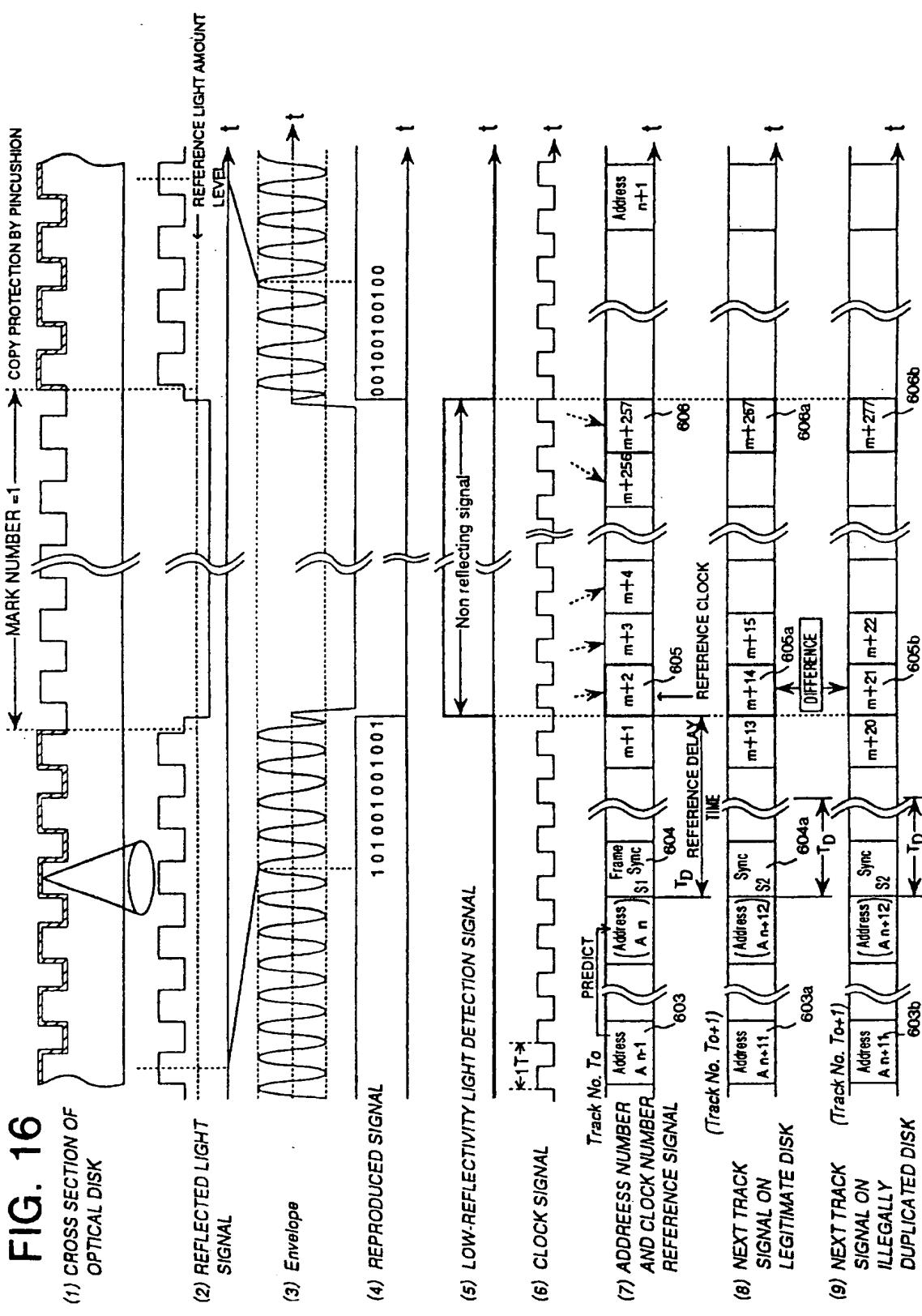


FIG. 16

(1) CROSS SECTION OF
OPTICAL DISK



LEGITIMATE DISK

LOW-REFLECTIVITY PORTION ADDRESS TABLE

MARK NO.	ADDRESS	START POSITION			END POSITION		
		Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER
1	A n	S ₁	m+2	n	m+257		
1	A n+12	S ₂	m+14	n+12	m+267		
1	A n+23	m+25	n+23	m+300			
:	:	:	:	:			
2	A n+1	m+15	n+1	m+160			
2	A n+13	m+85	n+13	m+250			
2	A n+24	m+68	n+24	m+210			
10	A n+9						
10							

LOW-REFLECTIVITY PORTION ADDRESS TABLE

ILLEGALLY DUPLICATED DISK

MARK NO.	ADDRESS	START POSITION			END POSITION		
		Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER
1	A n	S ₁	m+2	n	m+257		
1	A n+12	S ₂	m+14	n+12	m+267		
1	A n+23	m+25	n+23	m+300			
:	:	:	:	:			
2	A n+1	m+15	n+1	m+160			
2	A n+13	m+85	n+13	m+250			
2	A n+24	m+68	n+24	m+210			
10	A n+9						
10							

MARK NO.	ADDRESS	START POSITION			END POSITION		
		Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER
1	A n	S ₁	m+2	n	m+257		
1	A n+12	S ₂	m+14	n+12	m+267		
1	A n+23	m+25	n+23	m+300			
:	:	:	:	:			
2	A n+1	m+15	n+1	m+160			
2	A n+13	m+85	n+13	m+250			
2	A n+24	m+68	n+24	m+210			
10	A n+9						
10							

MARK NO.	ADDRESS	START POSITION			END POSITION		
		Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER	Sync No	CLOCK NUMBER
1	A n	S ₁	m+2	n	m+257		
1	A n+12	S ₂	m+14	n+12	m+267		
1	A n+23	m+25	n+23	m+300			
:	:	:	:	:			
2	A n+1	m+15	n+1	m+160			
2	A n+13	m+85	n+13	m+250			
2	A n+24	m+68	n+24	m+210			
10	A n+9						
10							

FIG. 17

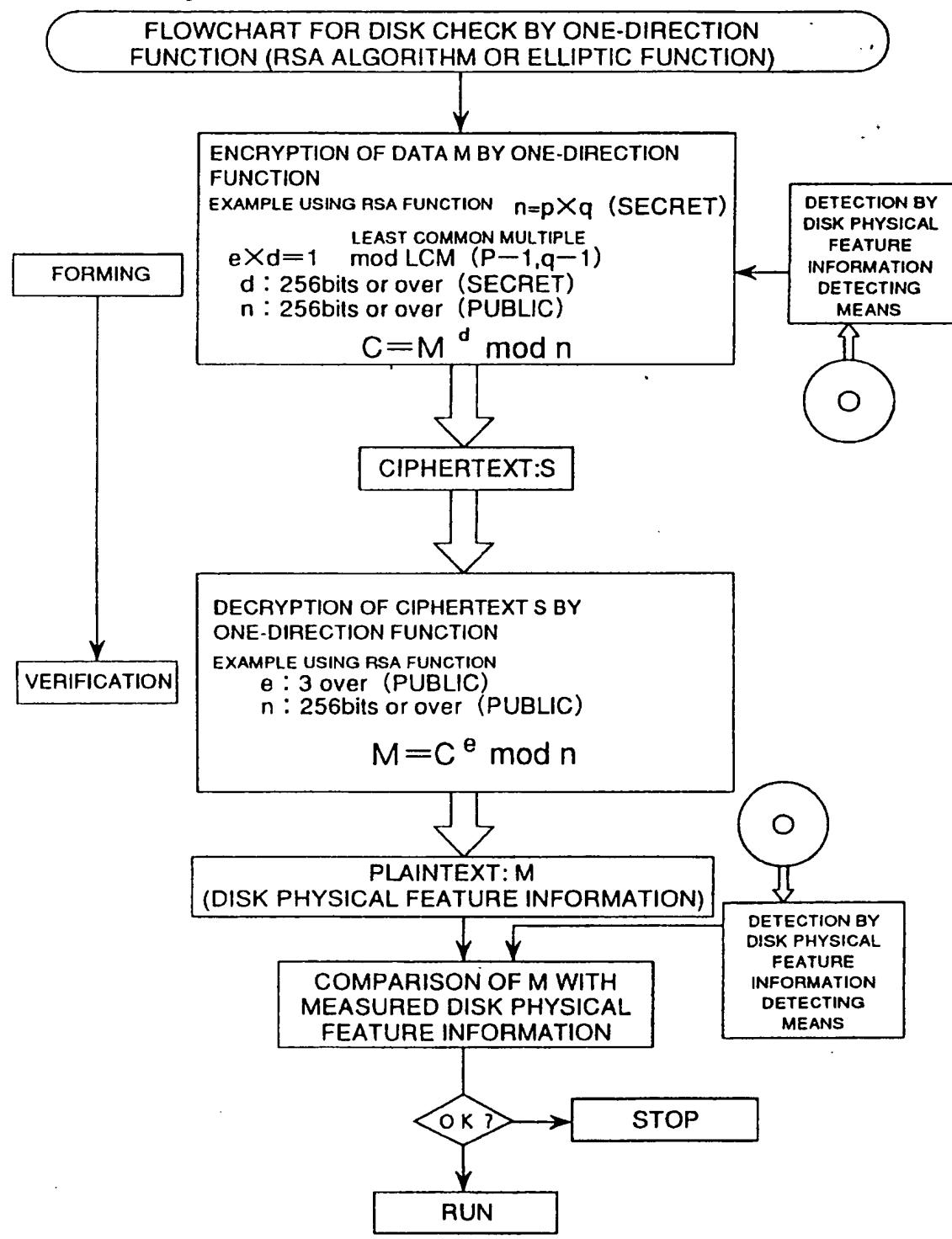


FIG. 18

**DIAGRAM SHOWING DIFFERENT PHYSICAL LOCATIONS OF
LOGICAL ADDRESSES ON DIFFERENT MASTER DISKS**
PHYSICAL LOCATIONS OF THE SAME LOGICAL ADDRESSES ON MASTER DISKS
PRODUCED ON DIFFERENT DAYS

FIRST MASTER DISK ○ CLV=1.231m/sec(SRC##2 MISI)
 SECOND MASTER DISK ● CLV=1.245m/sec(FZ-SJ1951A 3)
 THIRD MASTER DISK ▲ CLV=1.308m/sec(FZ-SJ1951AT 8)

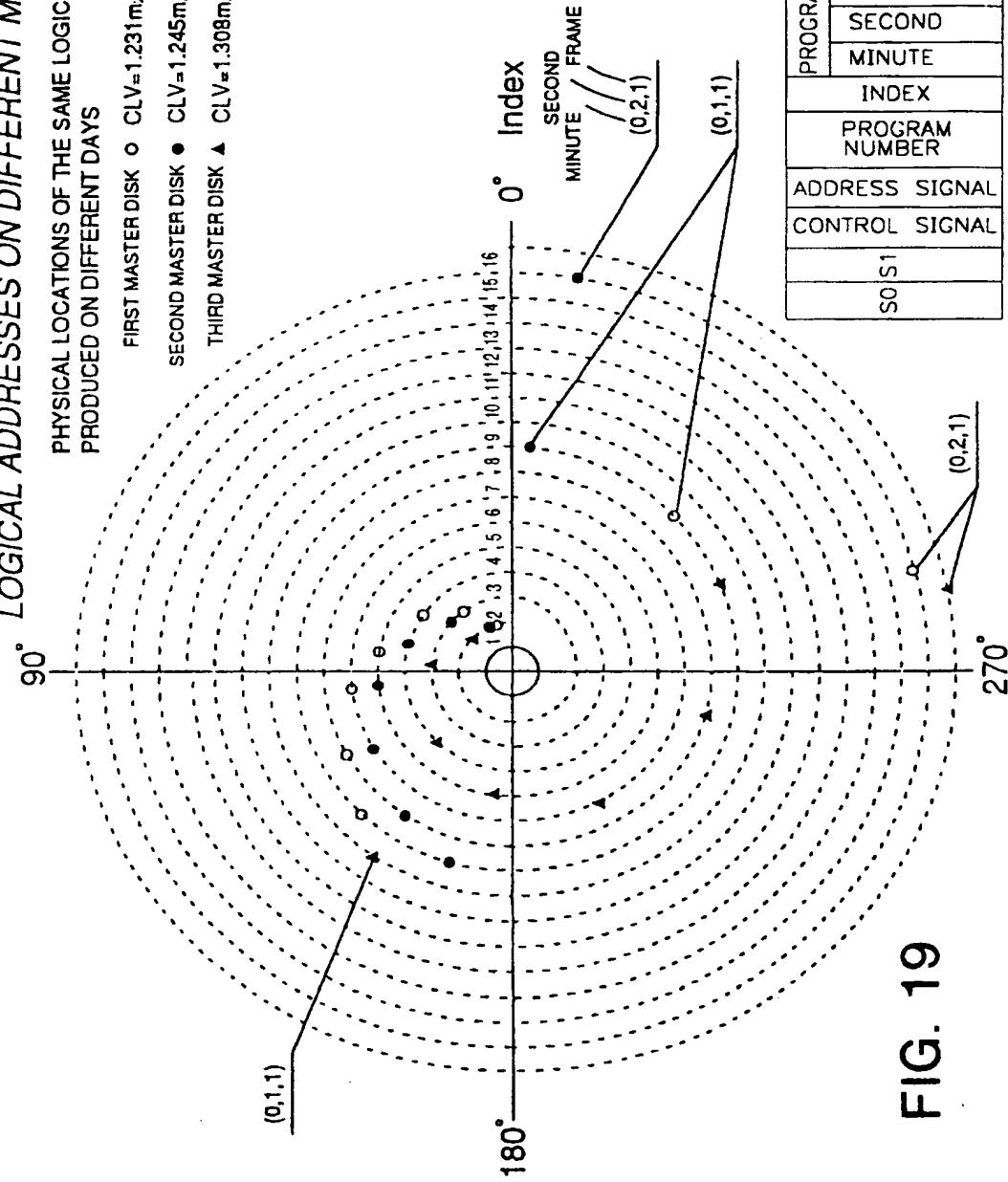


FIG. 19

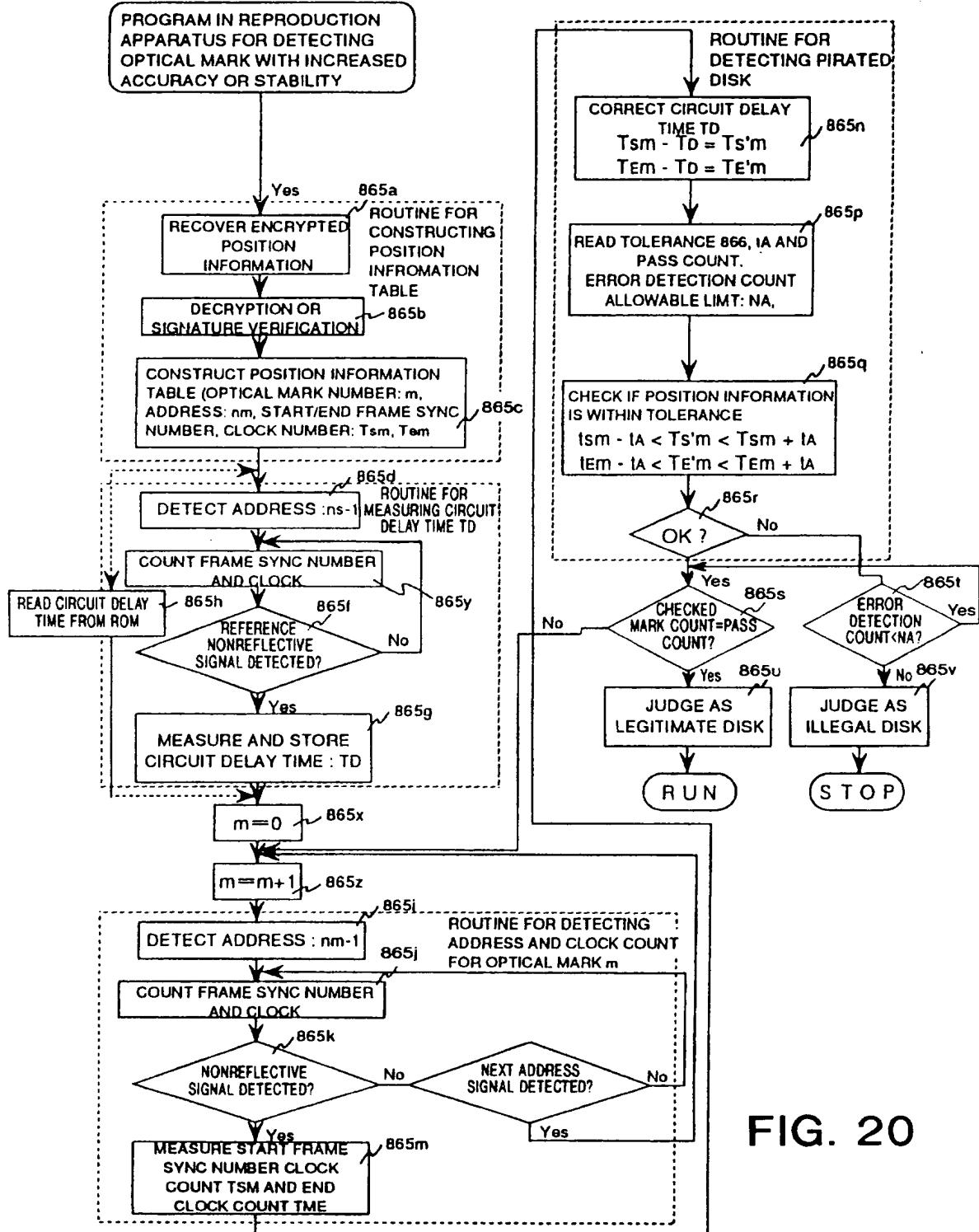
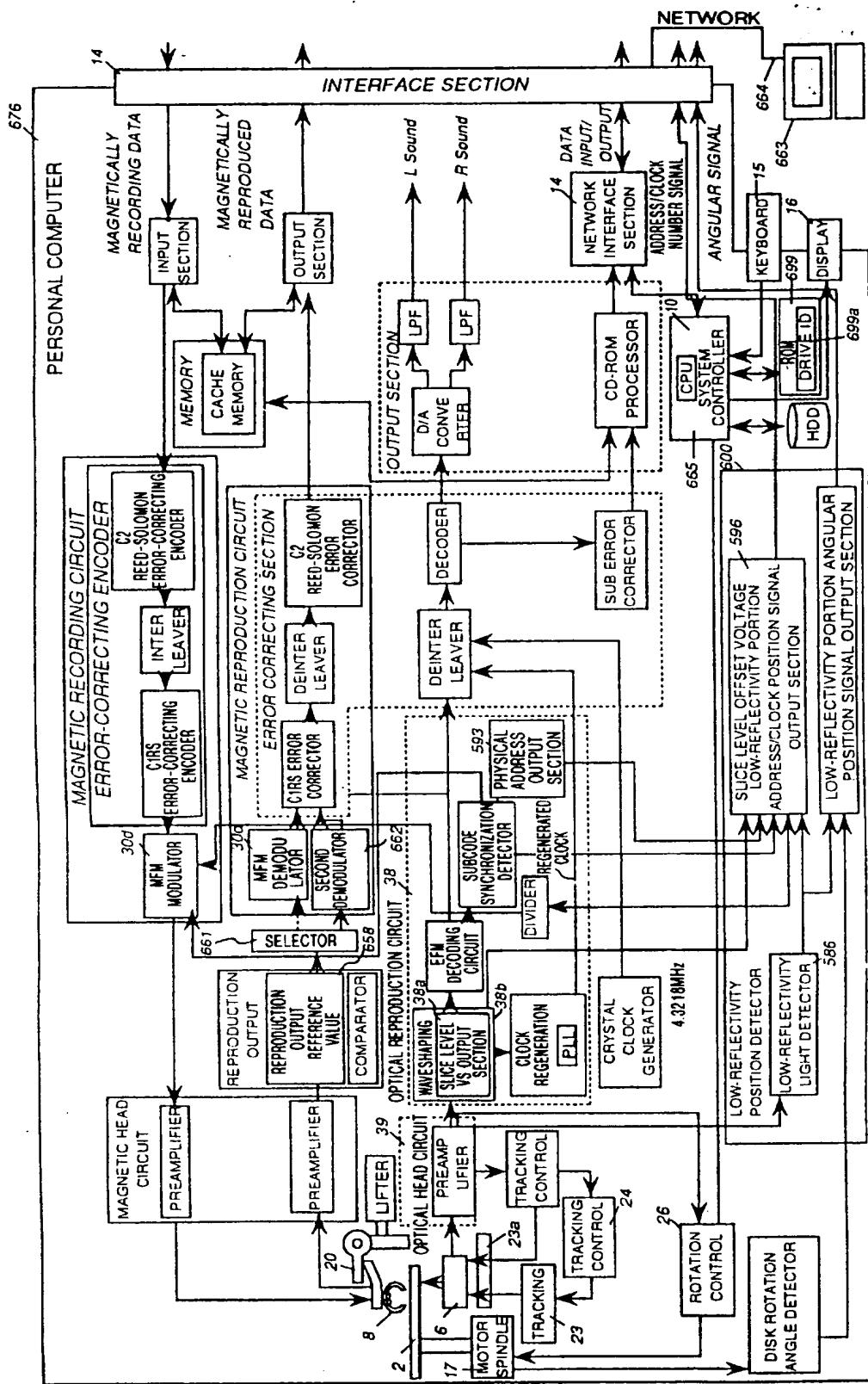


FIG. 20

FIG. 21



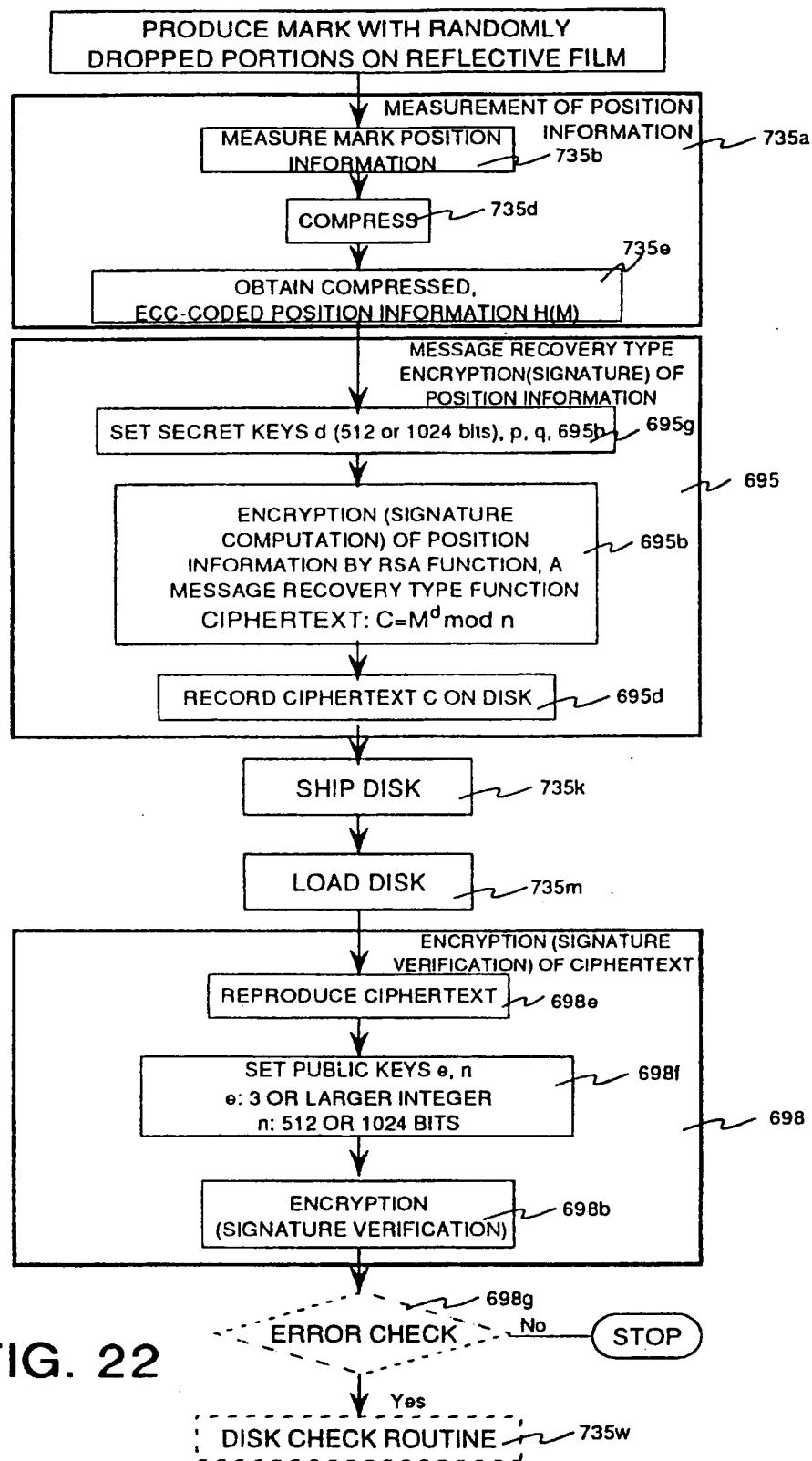


FIG. 22

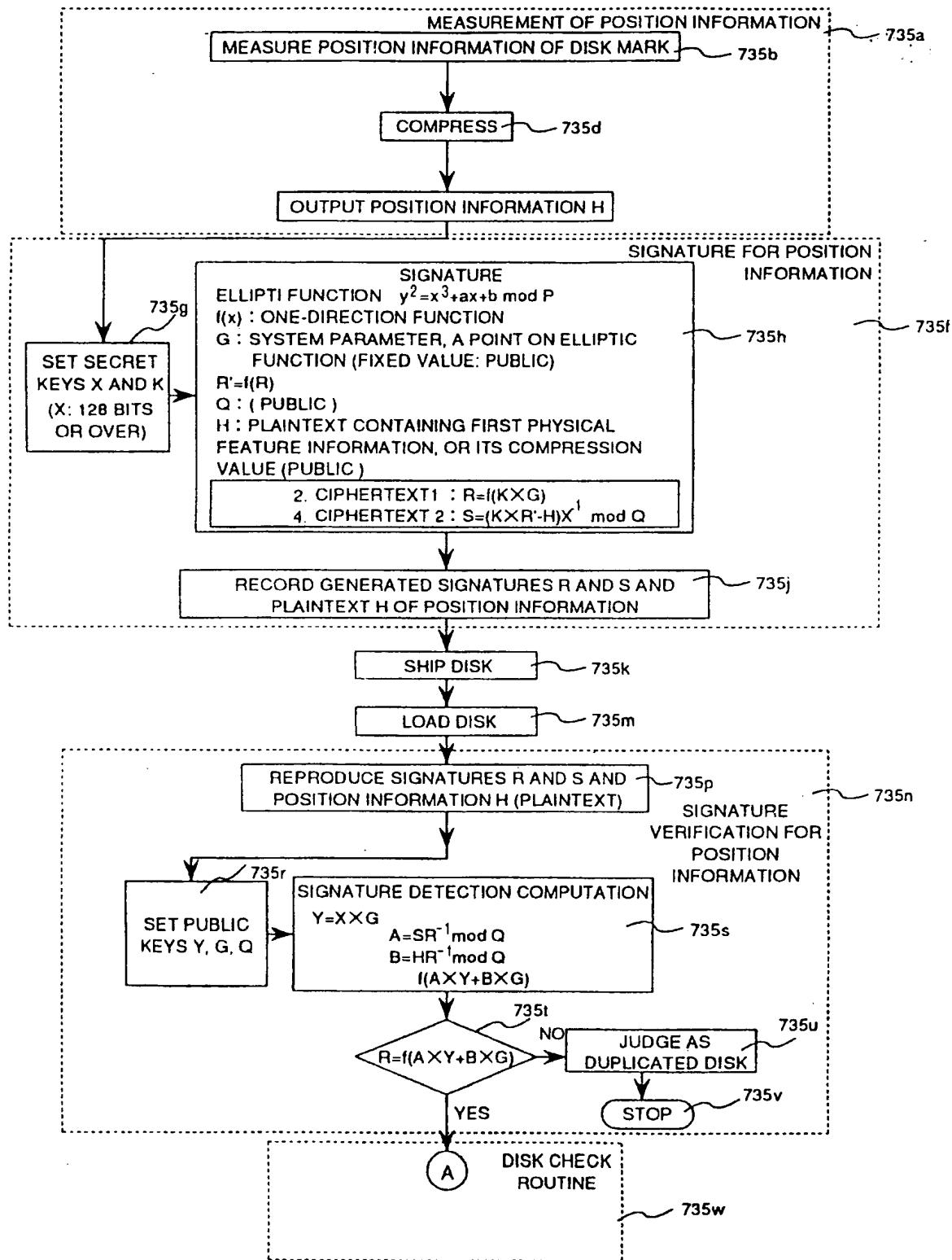


FIG. 23

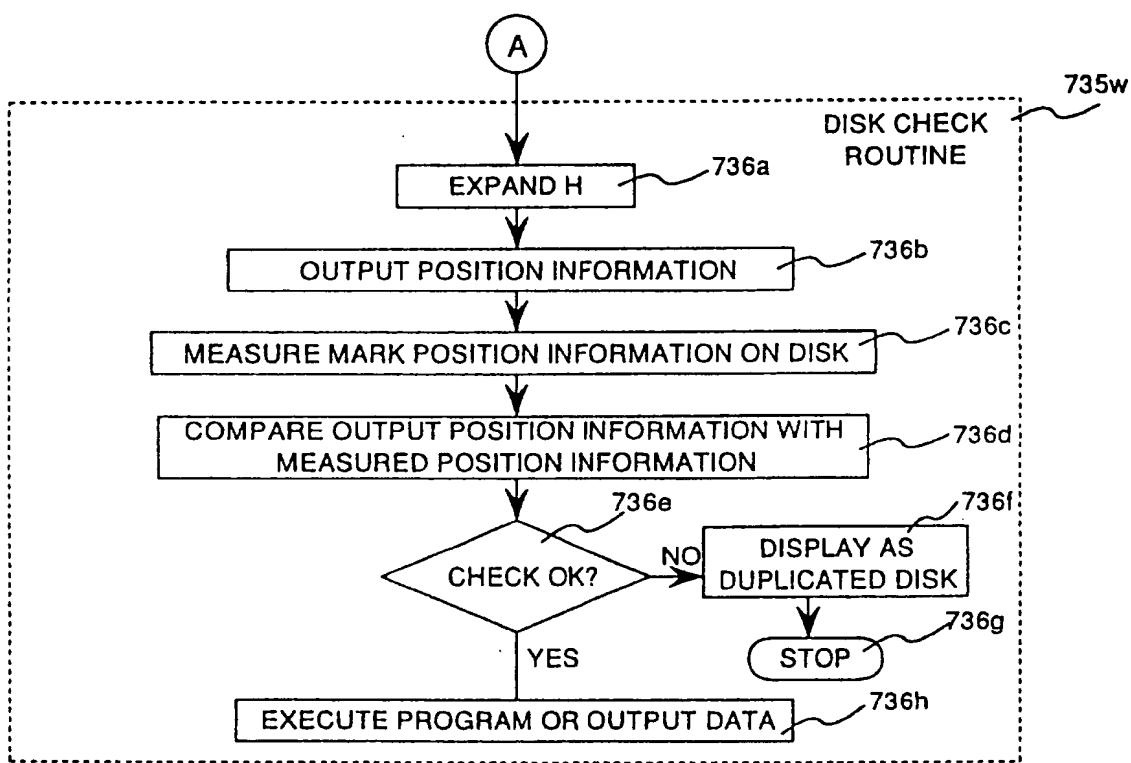


FIG. 24

FIG. 25

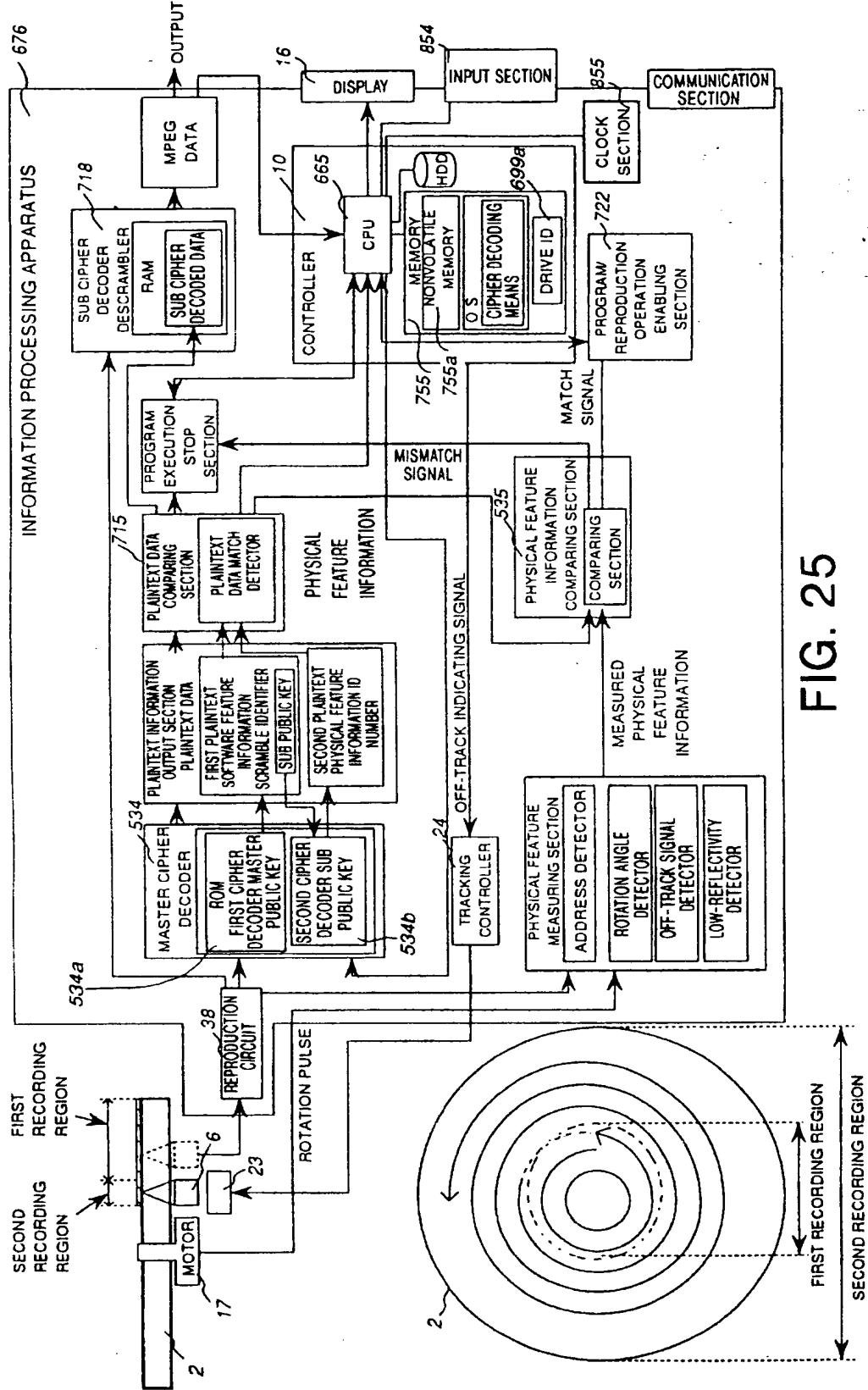
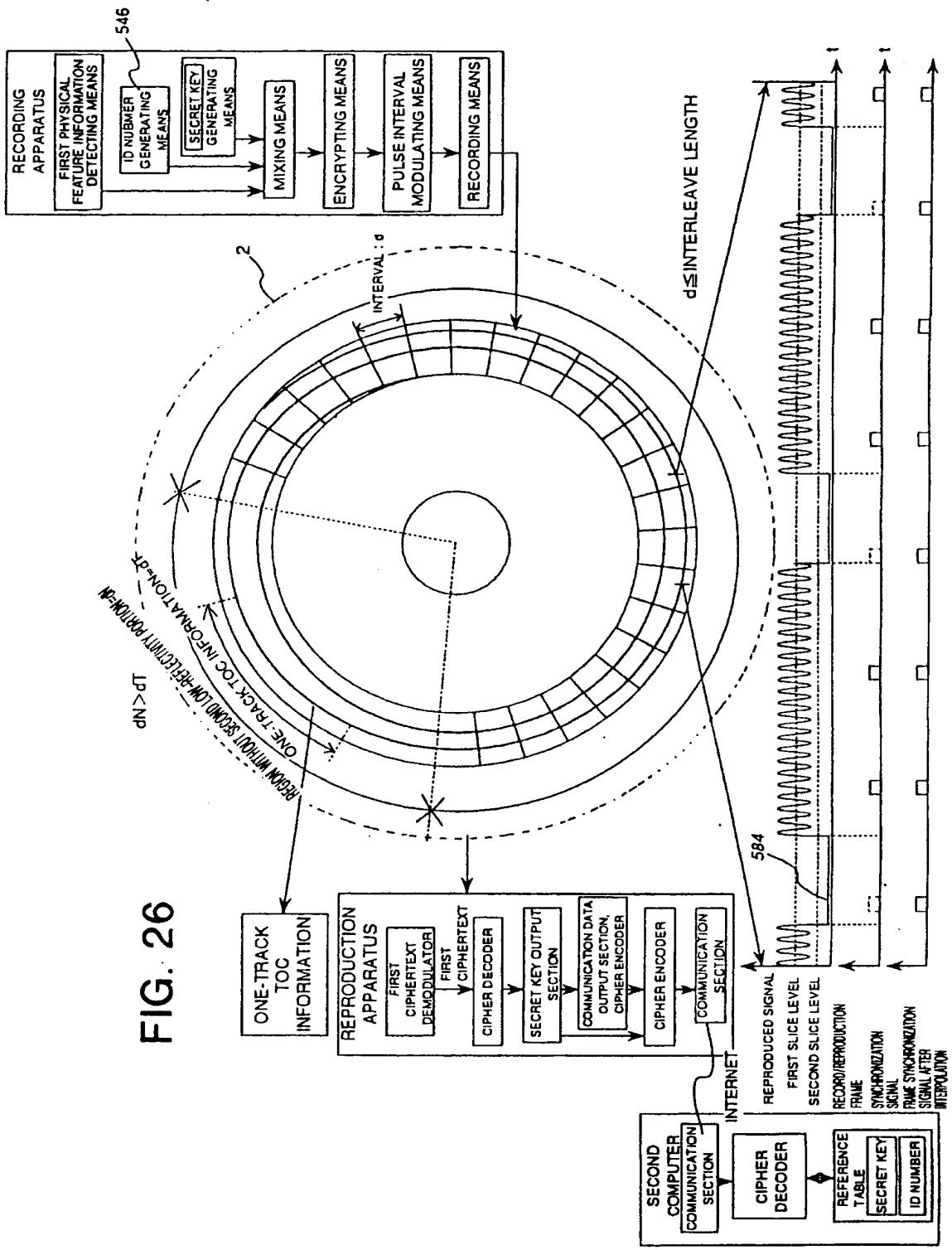
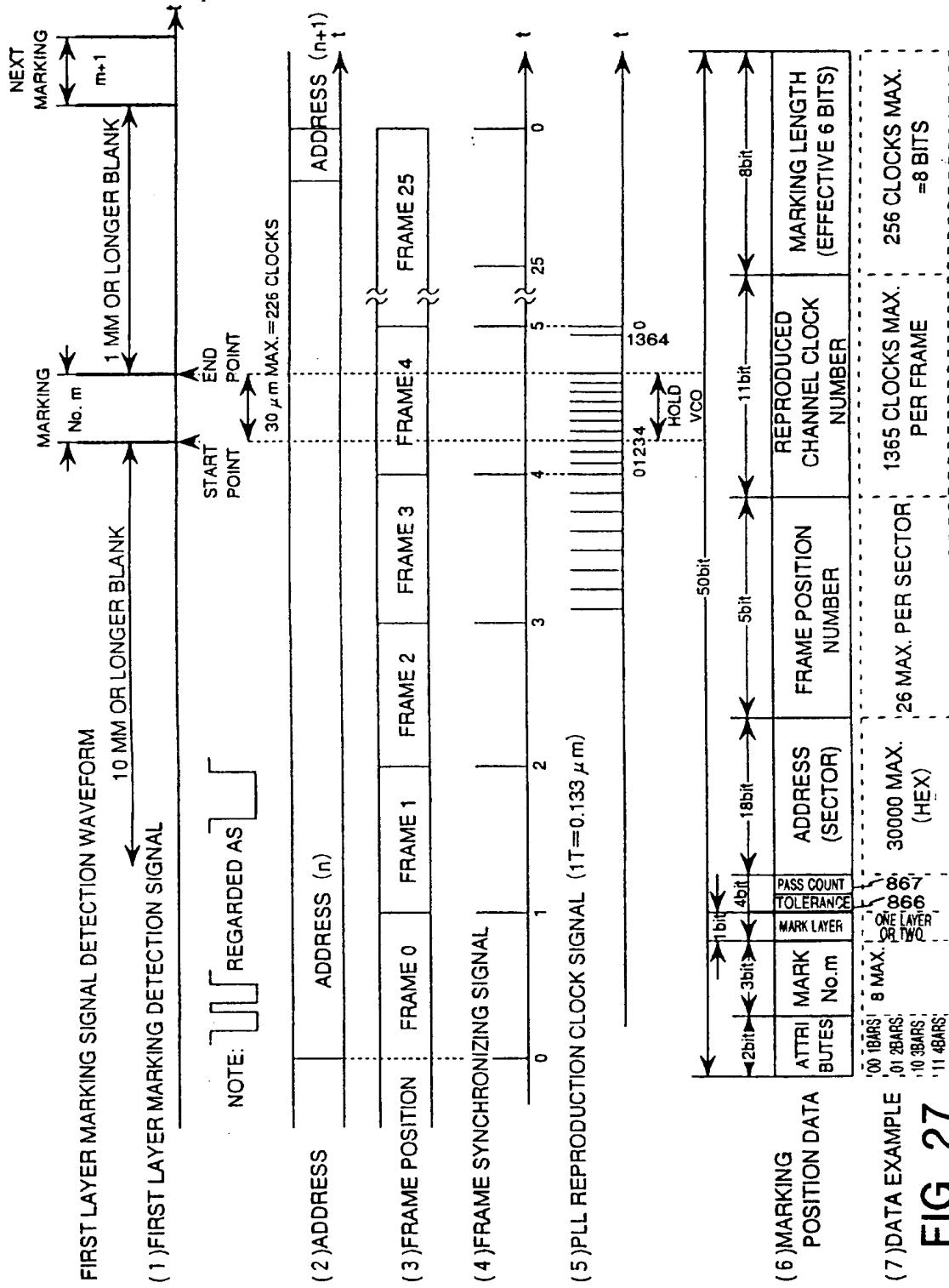


FIG. 26





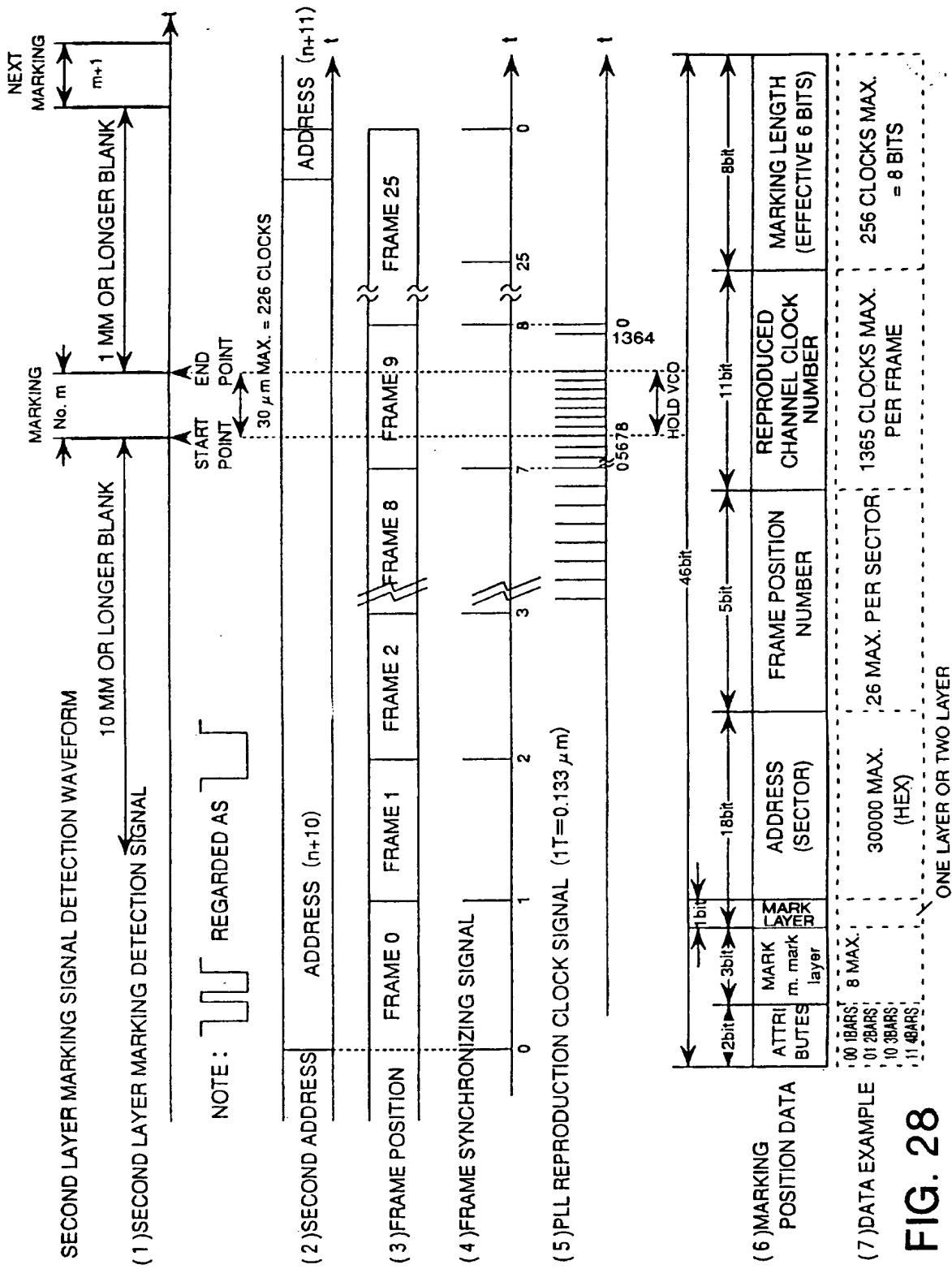
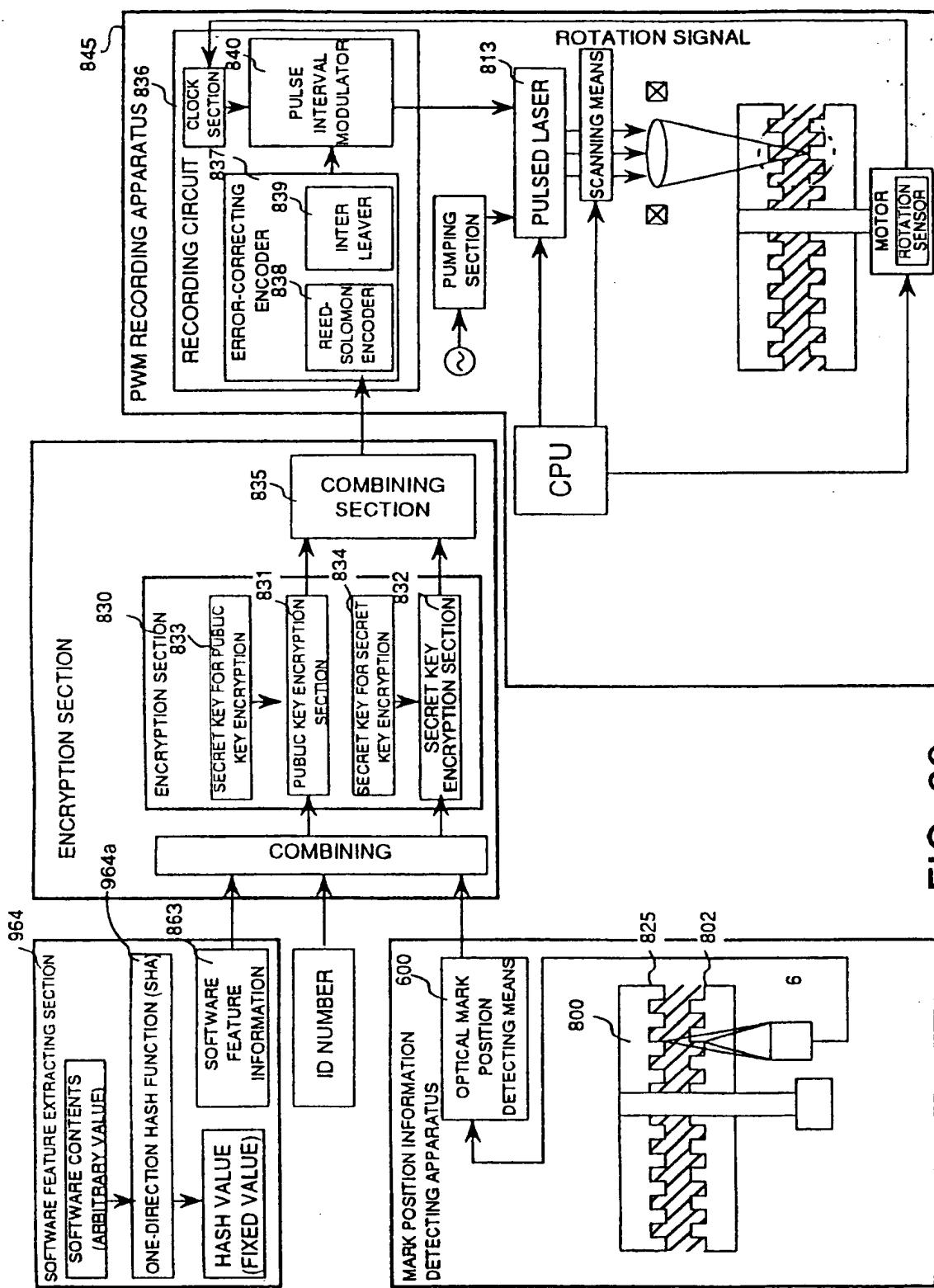


FIG. 28

FIG. 29



CODE CLASSIFIED BY PULSE INTERVAL, 4-VALUE PWM RECORDING

CODE	00	01	10	11
------	----	----	----	----

BARCODE LINE WIDTH VERSUS RECORDING DENSITY

LINE WIDTH W (μm)	PERIOD T (μm)	RECORDING DENSITY $\mu\text{m}/\text{bit}$	MAXIMUM RECORDING CAPACITY		LENGTH OF 1 KBITS mm
			ONE RING	842	
1 μm	2 μm	2.55 μm	56Kbit	2.5mm	
3 μm	6 μm	7.5 μm	28.2Kbit	5mm	
5 μm	10 μm	12.5 μm	11.2Kbit	12.5mm	
10 μm	20 μm	25 μm	5.6Kbit	25mm	
20 μm	40 μm	50 μm	2.82Kbit	50mm	

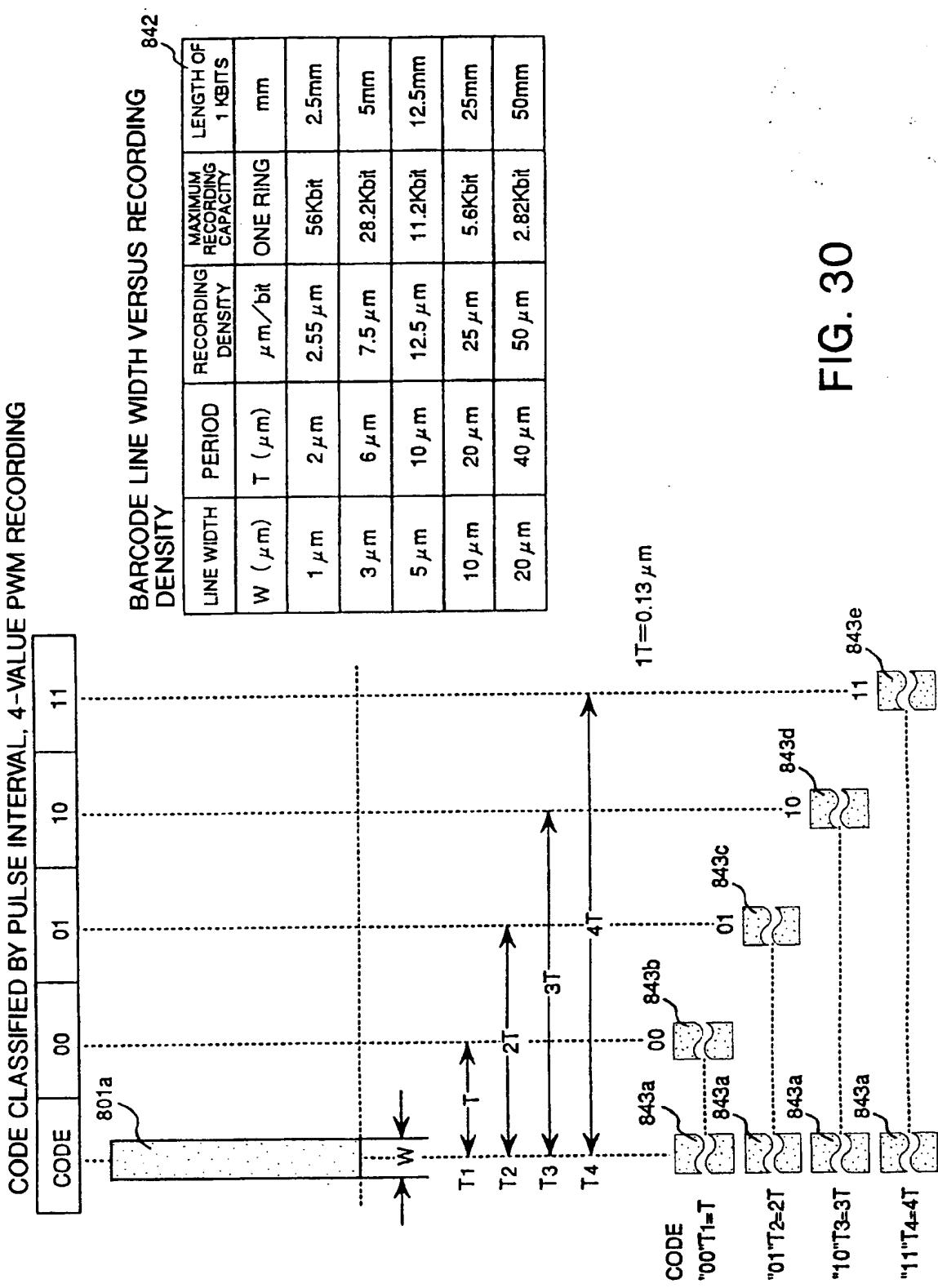


FIG. 30

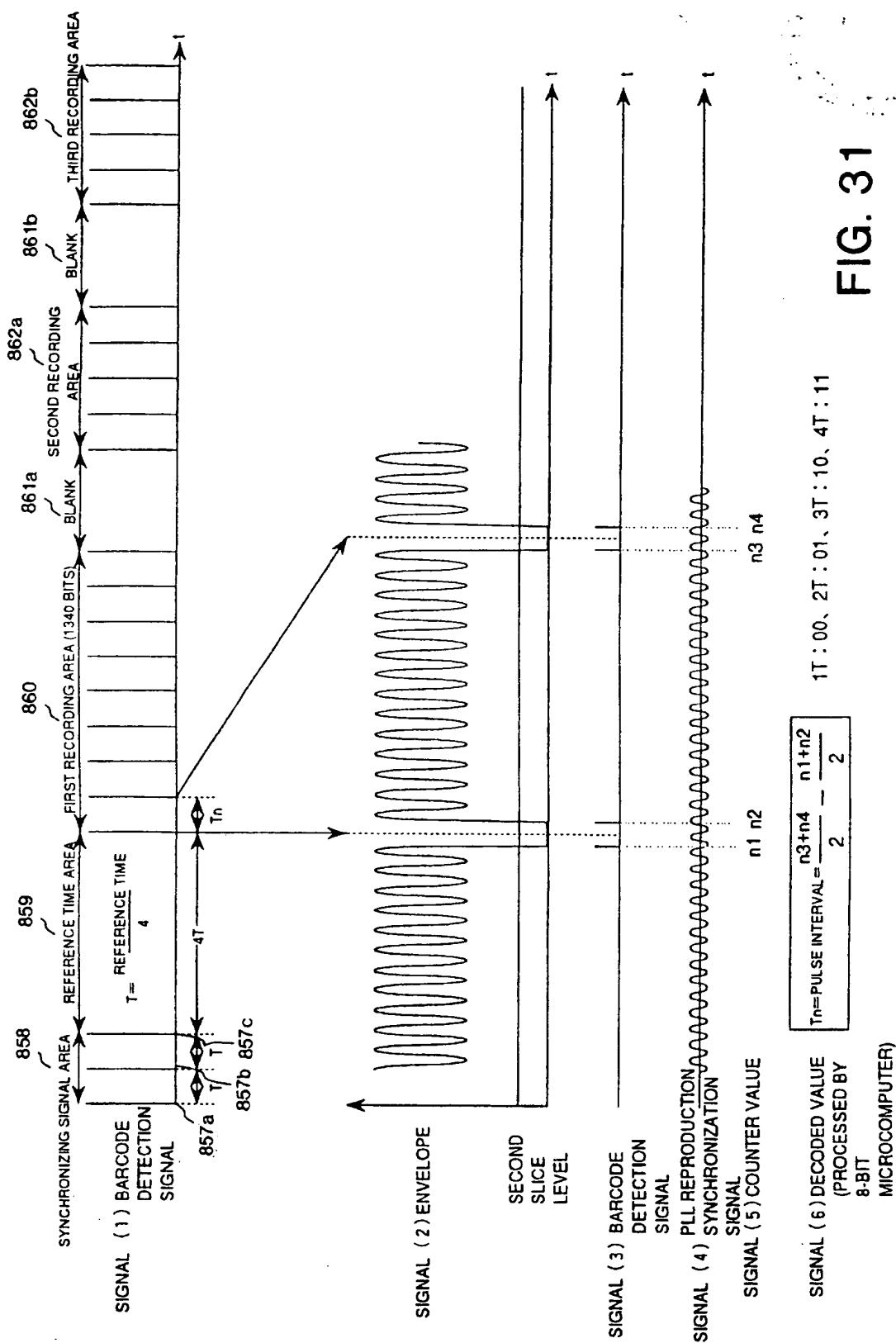
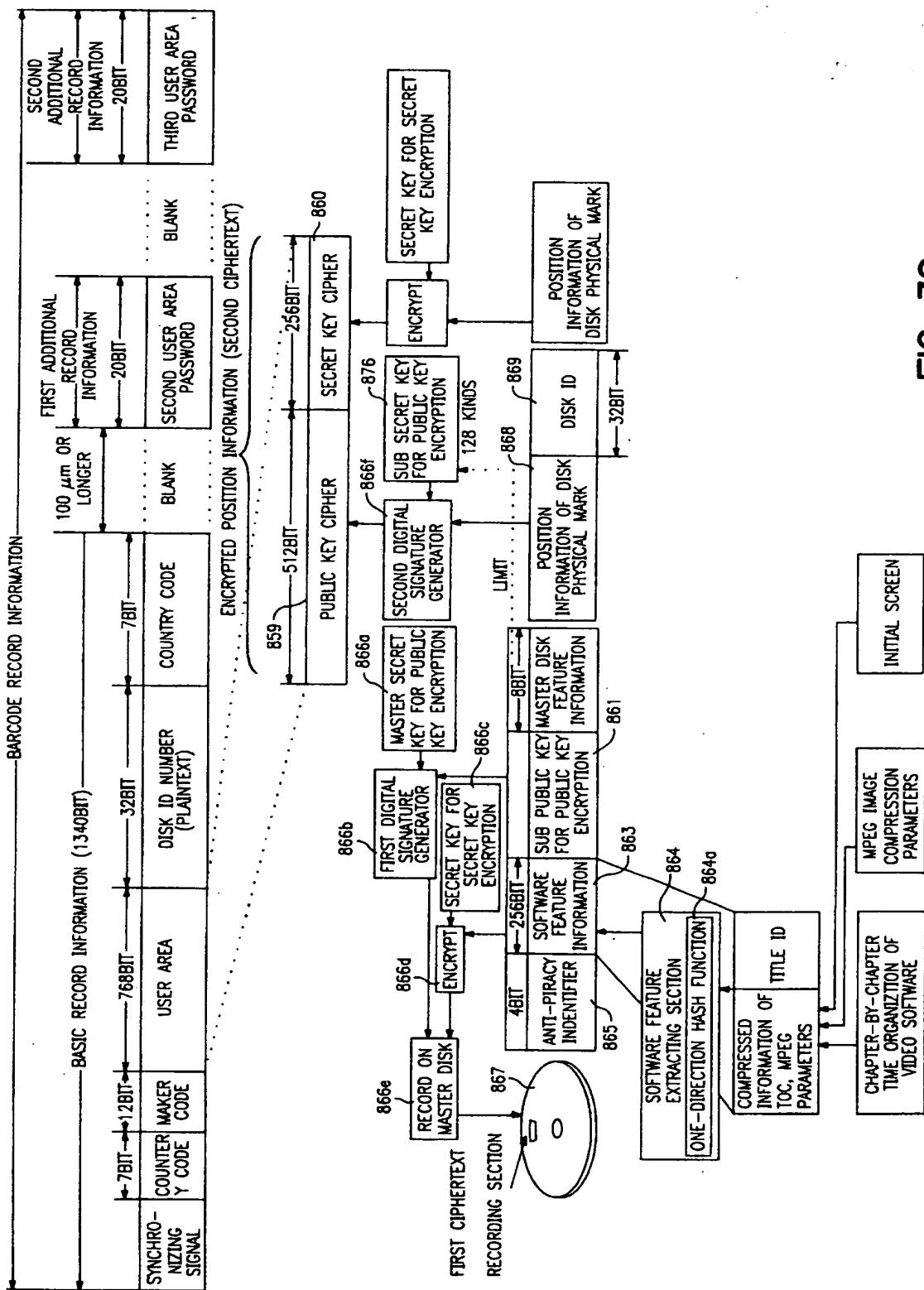


FIG. 31

FIG. 32



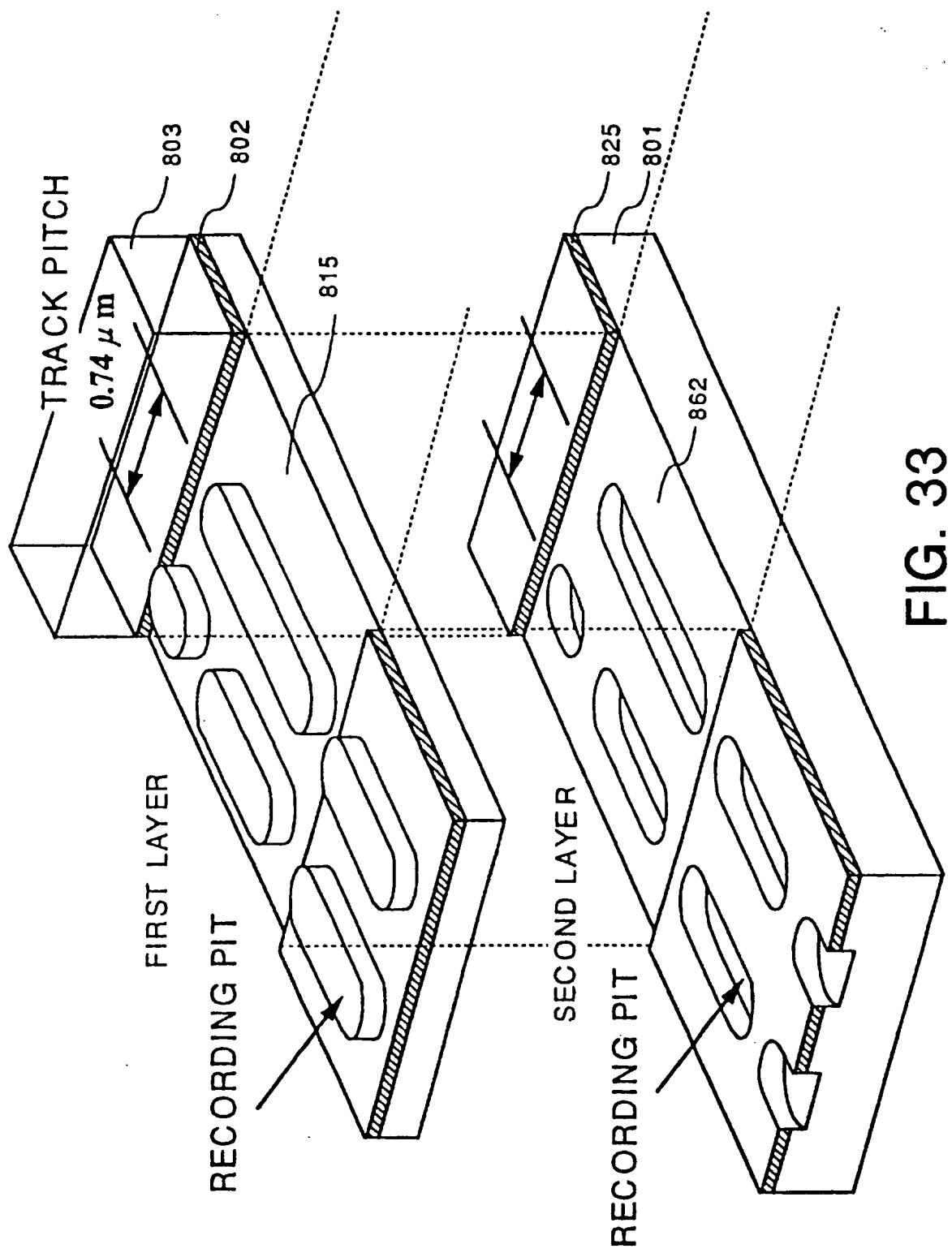
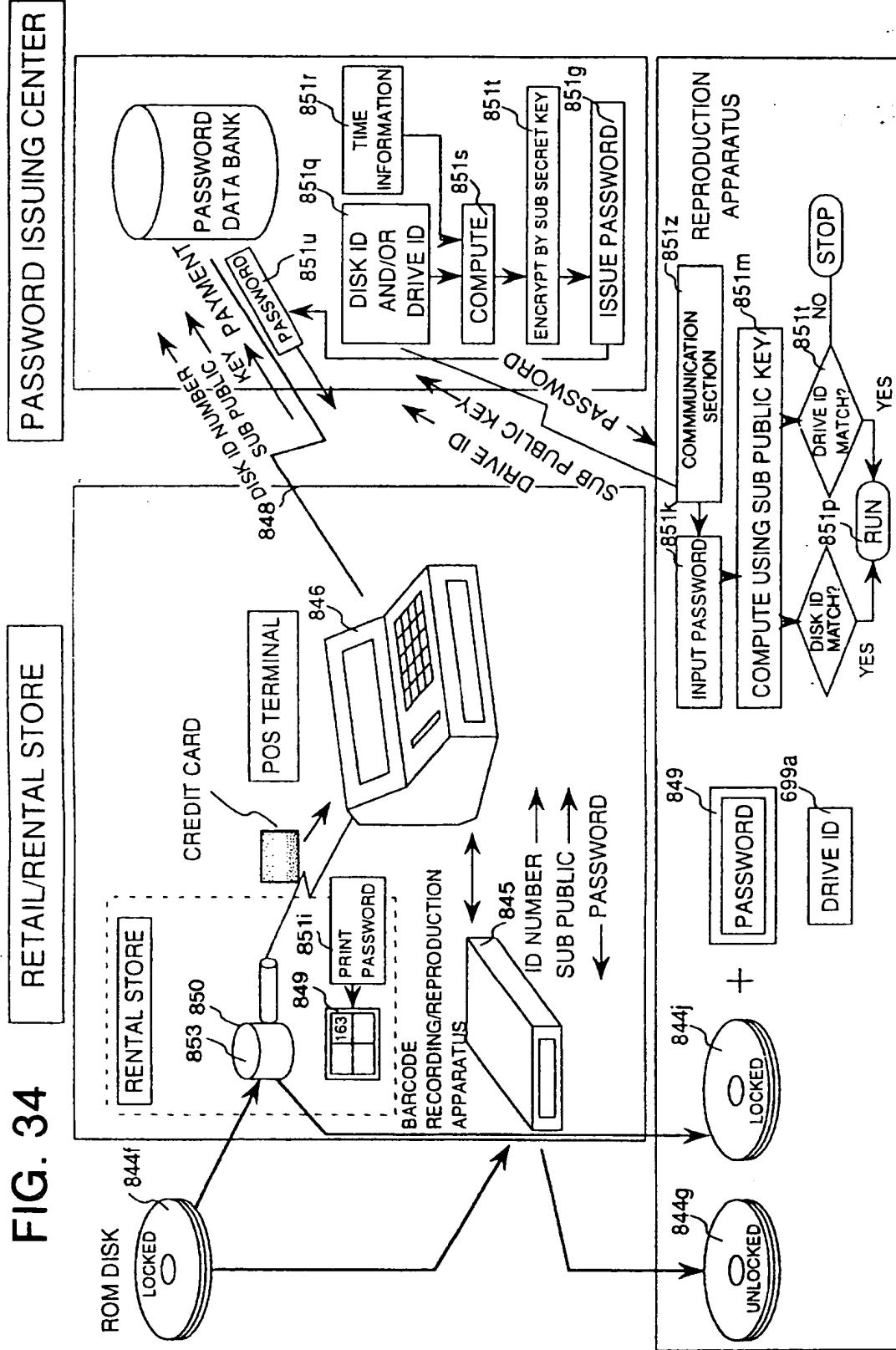


FIG. 33

FIG. 34 RETAIL/RENTAL STORE



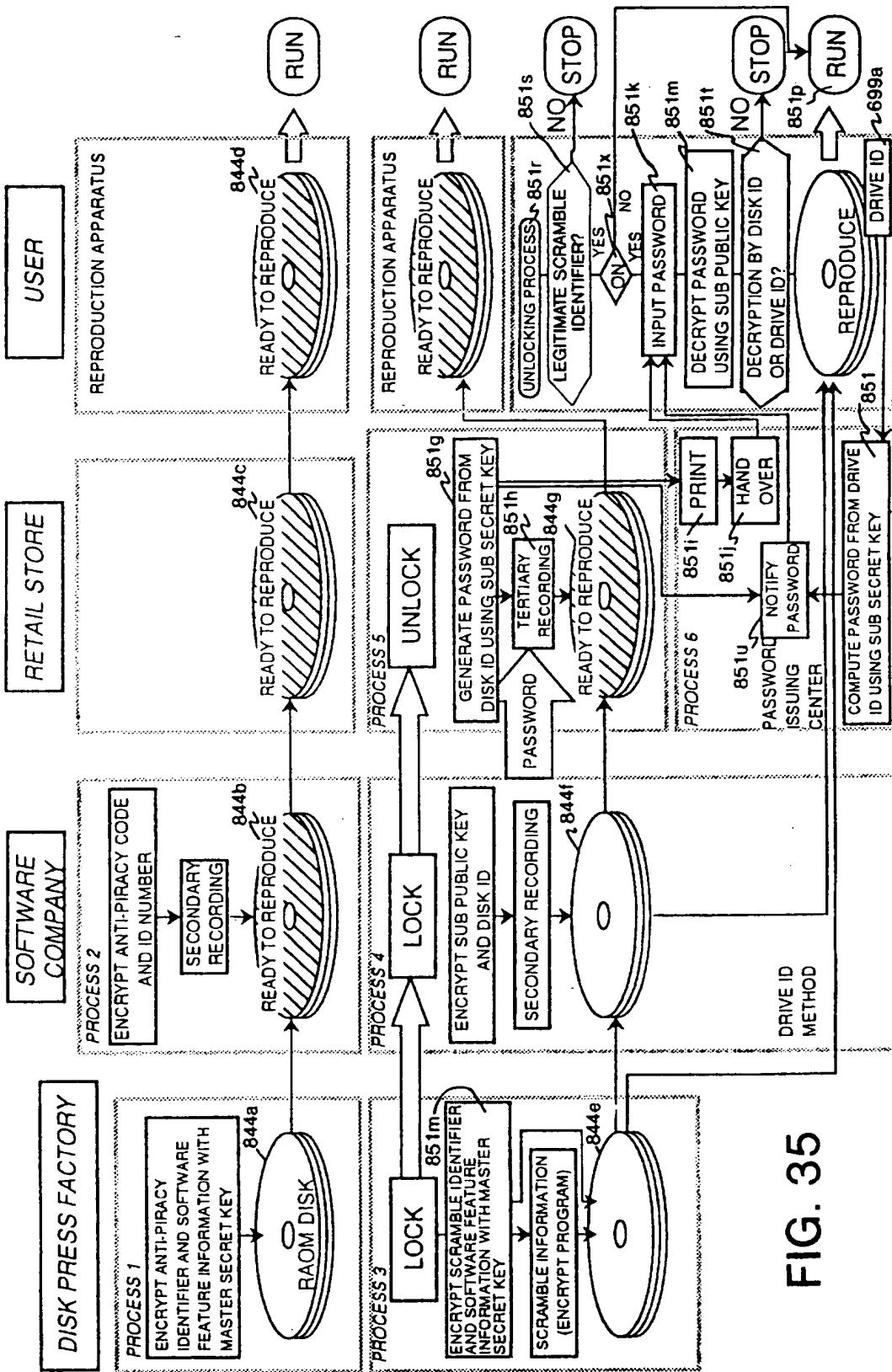
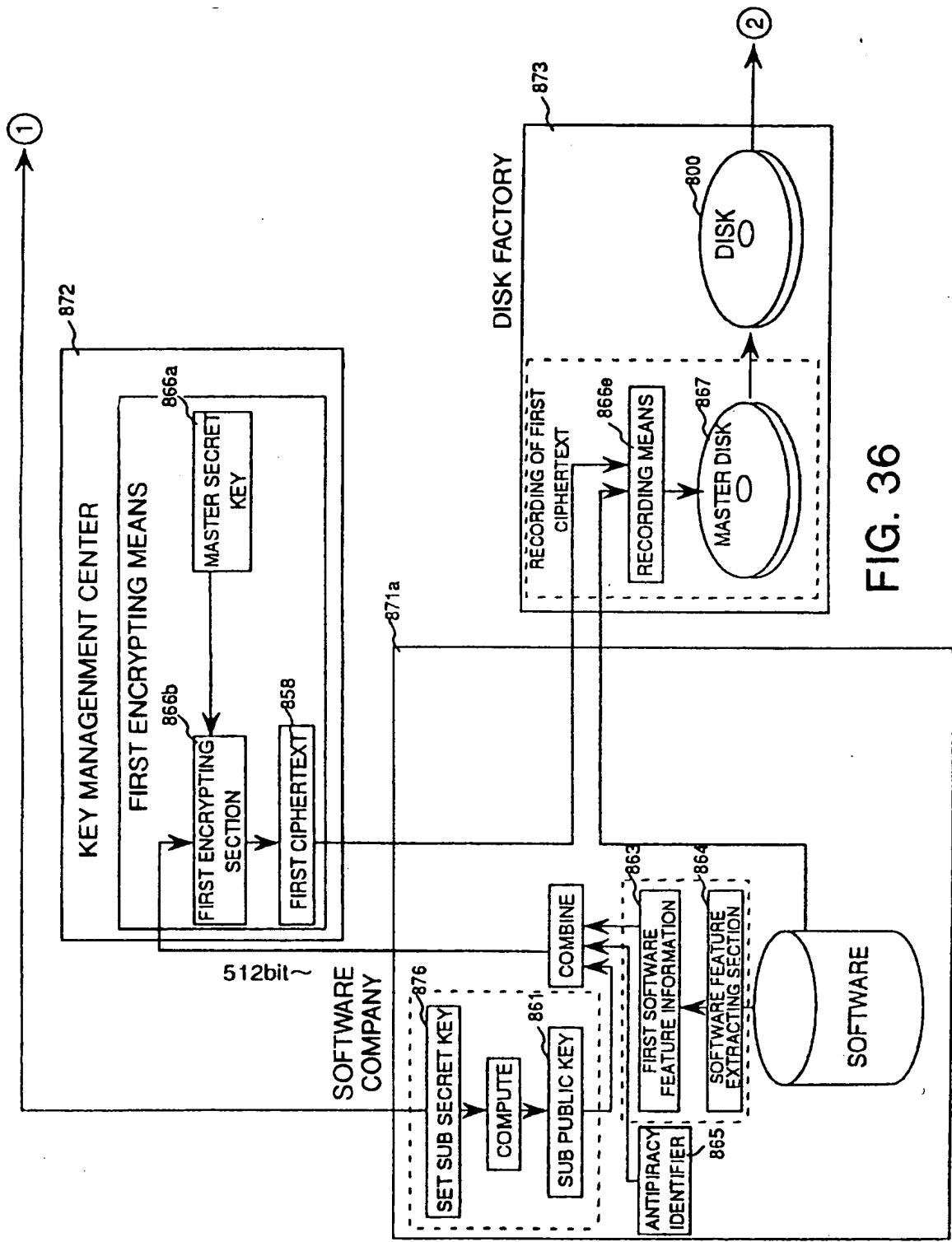


FIG. 35



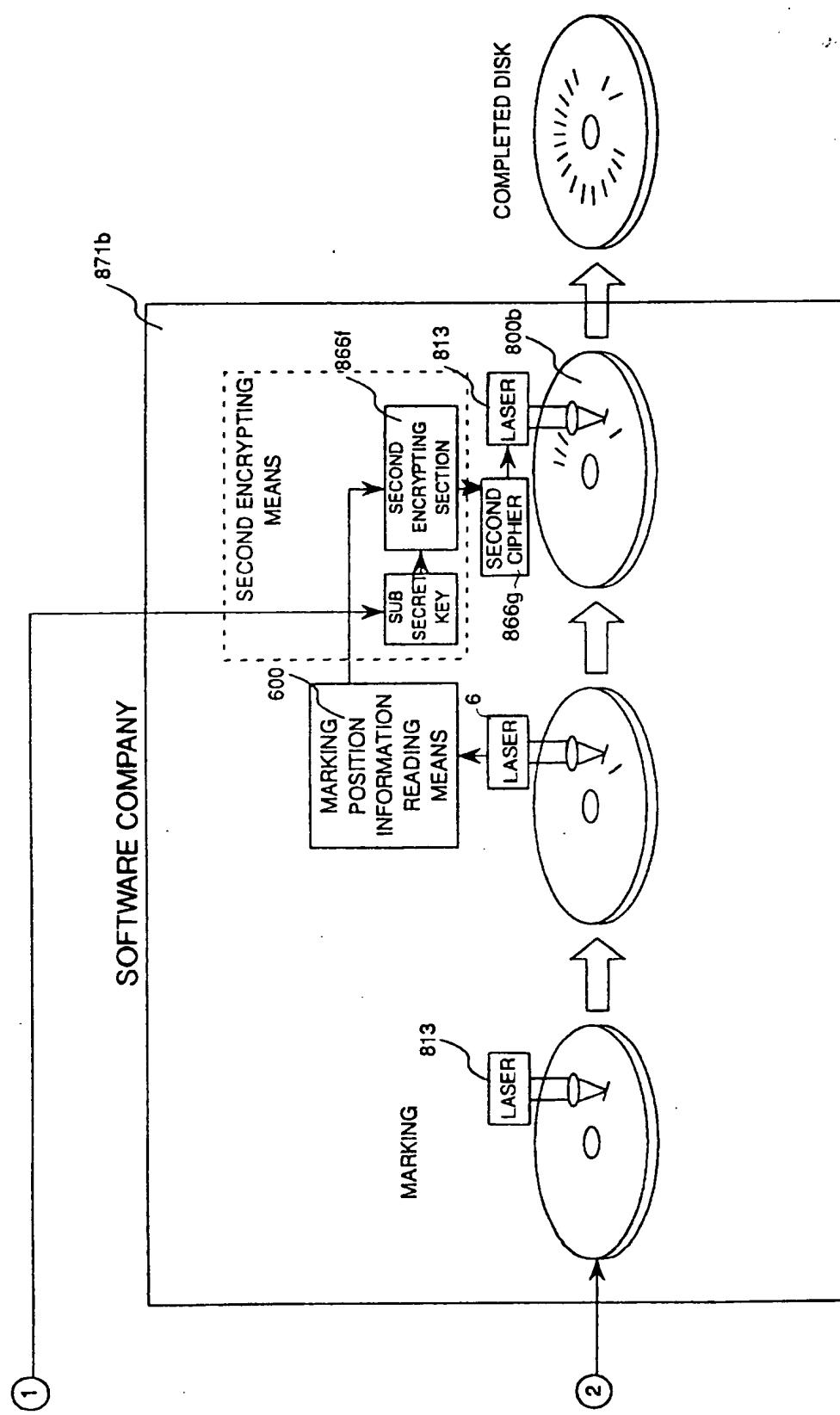


FIG. 38

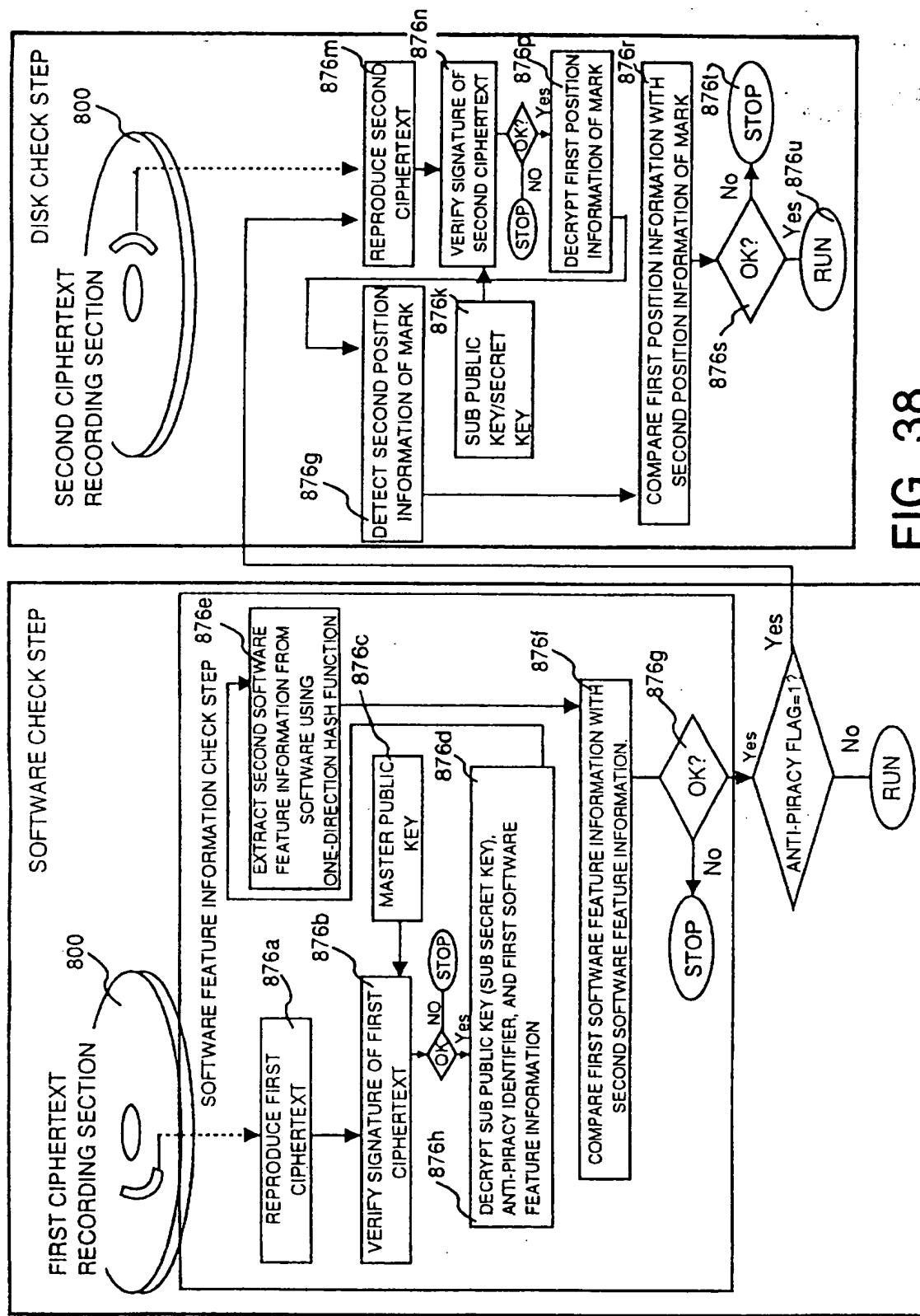
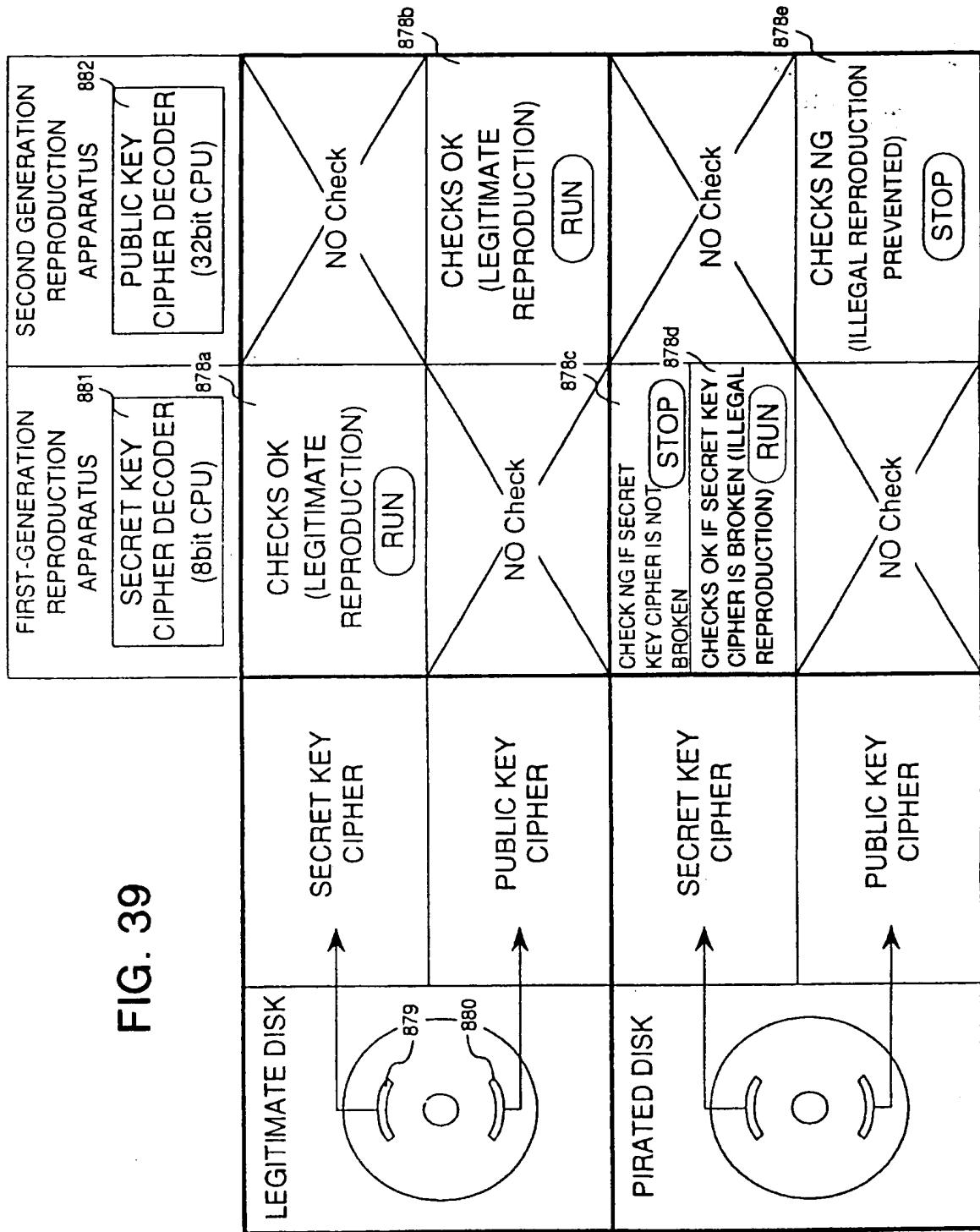


FIG. 39.



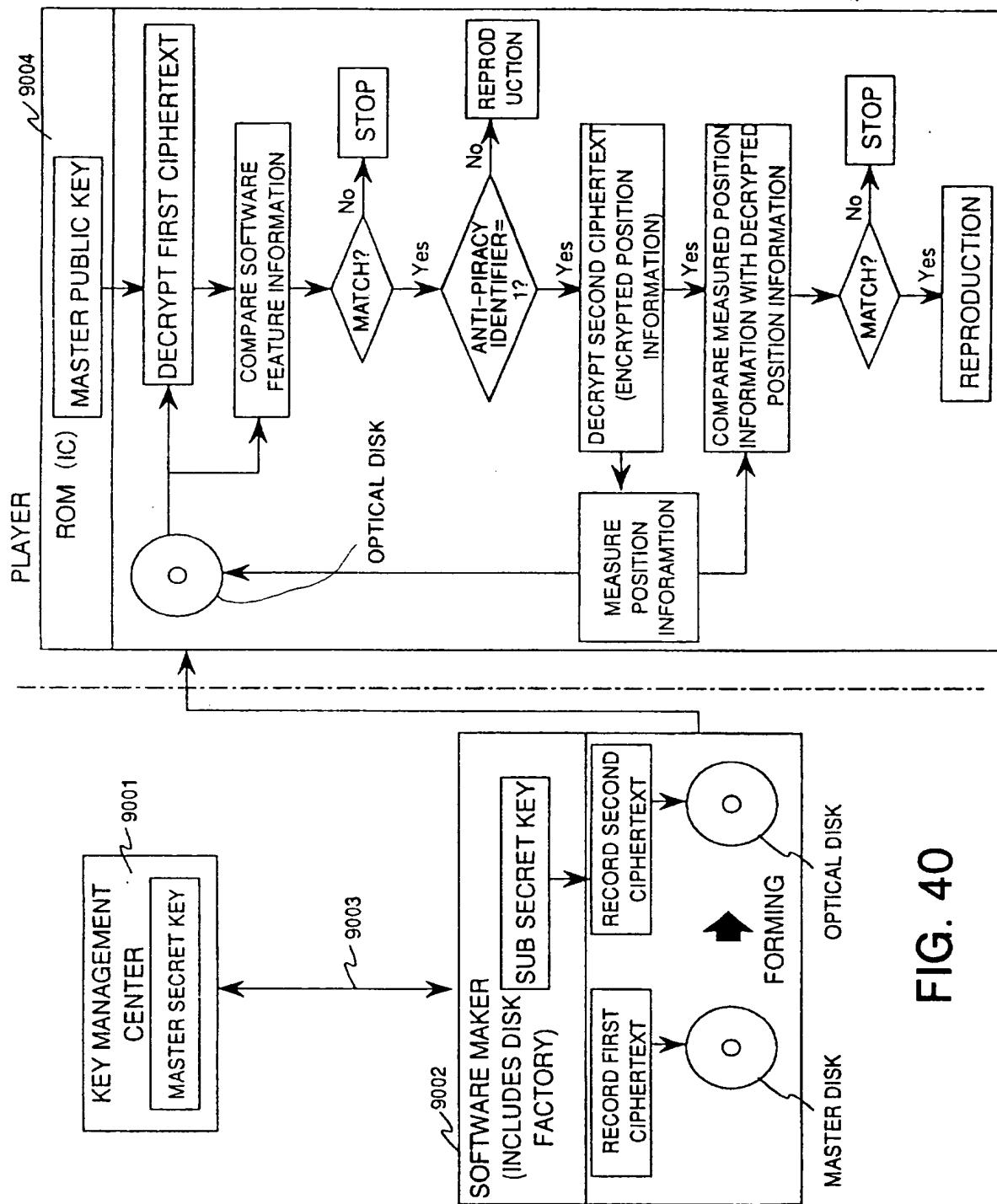


FIG. 40

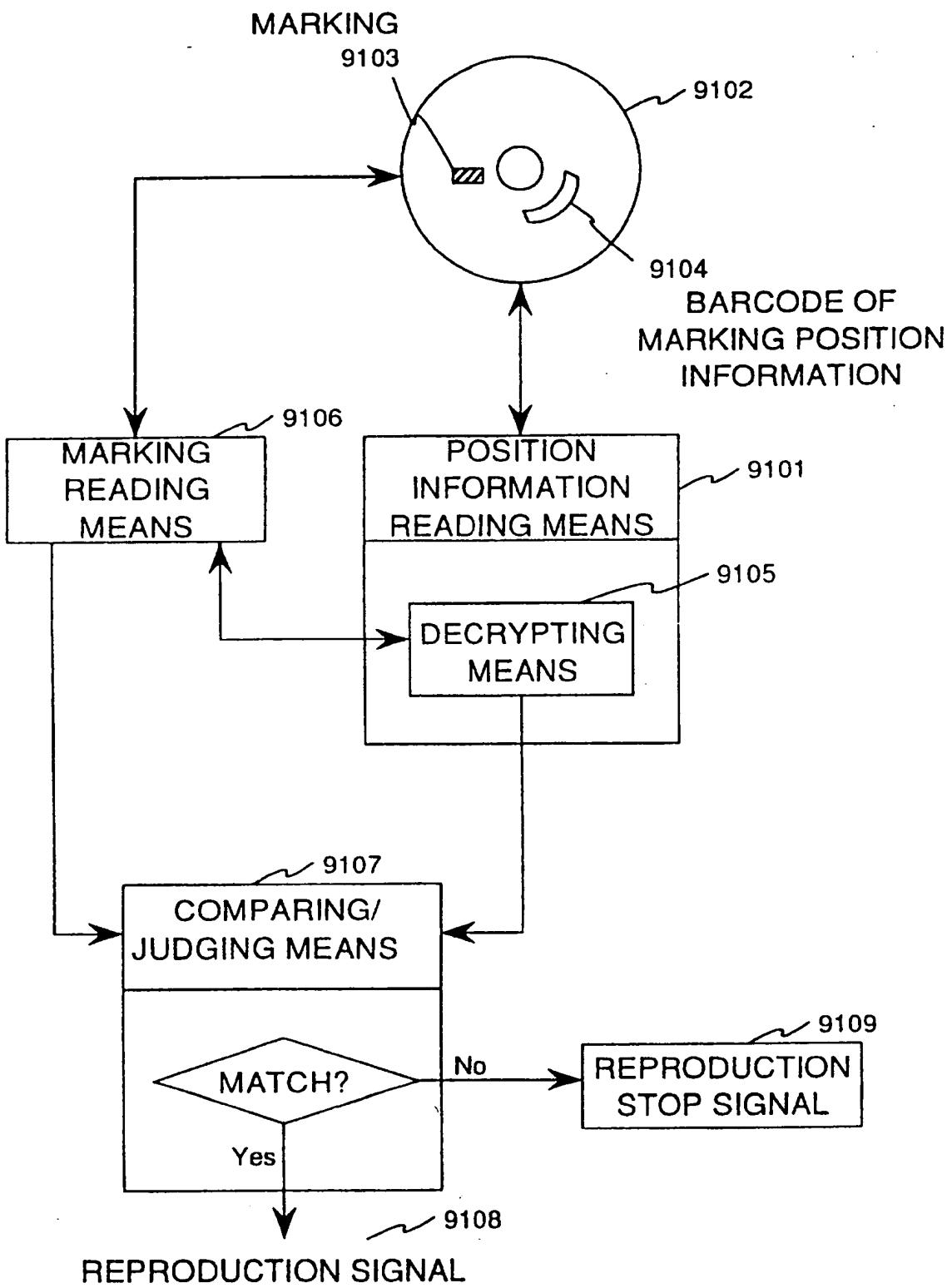


FIG. 41

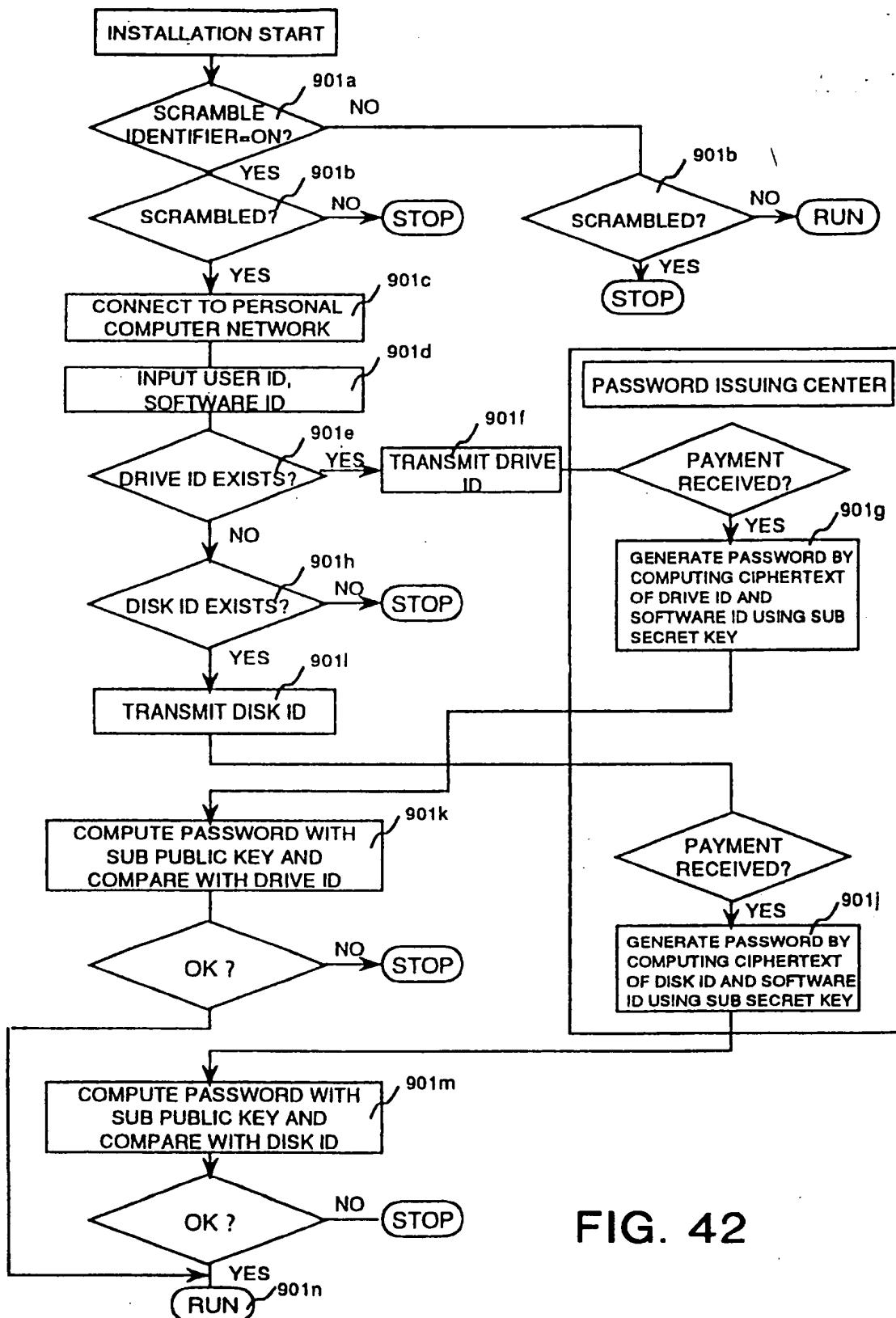


FIG. 42